Chun Wo Construction & Engineering Co Ltd

Contract No HY/2005/06 Castle Peak Road Improvement – West of Tsing Lung Tau

Monthly Environmental Monitoring and Audit Report for Reclamation Works (EP No EP-219/2005) June 2007

**Second Issue** 

## Chun Wo Construction & Engineering Co Ltd

## Contract No HY/2005/06 Castle Peak Road Improvement – West of Tsing Lung Tau

Monthly Environmental Monitoring and Audit Report for Reclamation Works (EP No EP-219/2005) June 2007

July 2007

This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party

ENSR AECOM

MAUNSELL AECOM

ENSR Asia (HK) Ltd.

(formerly Maunsell Énvironmental Management Consultants Ltd) 11/F Grand Central Plaza, Tower 2, 138 Shatin Rural Committee Road, Shatin, N.T., Hong Kong

安社亞洲(香港)有限公司

何茂感碳壞管理顧問有限公司。

香港新界沙田鄉事會路 138 號新城市中央廣場 2 座 11 櫻

T +852 2893 1551 F +852 2891 0306 www.ens.recom.com www.maunseil.accom.com

Your Ref:

Our Ref:

60016757/c/cwhy707161

#### By Fax (2492 6201) and Post

Meinhardt Halcrow JV 4/F., Wah Ming Centre, 421 Queen's Road West, Hong Kong

Attn: Mr. Michael S Harfoot

16 July 2007

Dear Sir.

Contract No. HY/2005/06

Castle Peak Road Improvement – West of Tsing Lung Tau

Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) – June 2007

We refer to the Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) – June 2007 received via email on 13 July 2007 from Ove Arup & Partners Hong Kong Ltd., the Environmental Team (ET) of Castle Peak Road Improvement – West of Tsing Lung Tau (Remaining Contract).

Having addressed the IEC's comment on 13 July 2007, the Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) – June 2007 is verified to be acceptable for onward submission to the Engineer, HyD, EPD and AFCD.

Should you have any inquiry or comment, please do not hesitate to contact the undersigned or our Miss Connie Wong at 3105 8530.

Yours faithfully, For and on behalf of ENSR Asia (HK) Ltd.

Y T Tang

Independent Environmental Checker

CĊ

MHJV

Mr. Simon Illingworth

(Fax: 2559 1613)

Arup

\_

Mr. Sam Tsoi / Mr. Samuel Chan

(Fax: 2268 3950)



Page 1 of 1



| Job title   |   | Contract No HY/2005/06 Castle Peak Road Improvement – West of Job number Tsing Lung Tau                                |                                      |   |                       |  |  |  |  |
|---|---|--|--------------------------------------|---|-----------------------|--|--|--|--|
|   |   |  |                                      |   | 24583                 |  |  |  |  |
| Document title  |   | Monthly Environmental Monitoring and Audit Report for Reclamation File reference Works (EP No EP-219/2005) – June 2007 |                                      |   |                       |  |  |  |  |
| Document re   | f   |  |                                      |   |                       |  |  |  |  |
| Revision  |   |  |                                      |   |                       |  |  |  |  |
| Revision Date First Issue   3/07/07   |   | Description  | Submit to IEC for com                | 43-Jun-07 (Reclamation).doc  Submit to IEC for comments |                       |  |  |  |  |
|   |   |  | Prepared by                          | Checked by  | Approved by           |  |  |  |  |
|   |   | Name   | Raymond Liu                          | Samuel Chan   | Sam Tsoi              |  |  |  |  |
|   |   | Signature  |                                      |   |                       |  |  |  |  |
| Second  | 17/07/07  | Filename   | ame 43-Jun-07 (Reclamation)-RevA.doc |   |                       |  |  |  |  |
| Issue   |   | Description  | Submit to ER with IEC                | 's verification's letter                                |                       |  |  |  |  |
|   |   |  | Prepared by                          | Checked by  | Approved by           |  |  |  |  |
|   |   | Name   | Raymond Liu                          | Samuel Chan   | Sam Tsoi              |  |  |  |  |
|   |   | Signature  | Raymond                              | Gol.  | 1                     |  |  |  |  |
|   |   | Filename   |                                      | 25  |                       |  |  |  |  |
|   |   | Description  |                                      |   |                       |  |  |  |  |
|   |   |  | Prenared by                          | Checked by  | Approved by           |  |  |  |  |
|   |   | Name   | - rope of by                         | Cheshod by  | 7 pproved by          |  |  |  |  |
| Prepared by  Name Raymond Liu  Signature  Prepared by  Filename  Description  Prepared by  C  Name  Signature  Prepared by  C  Name  Prepared by  C  Name  Signature  Filename  Description |   |  |                                      |   |                       |  |  |  |  |
|   |   | Filename   |                                      |   |                       |  |  |  |  |
|   |   | Description  |                                      |   |                       |  |  |  |  |
|   | Description  Prepared by Checked by Approve  Name  Signature  Filename  Description  Prepared by Checked by Approve  Approve  Approve | Approved by  |                                      |   |                       |  |  |  |  |
|   |   | Name   |                                      |   | , spiroted by         |  |  |  |  |
|   |   | Signature  |                                      |   |                       |  |  |  |  |
|   | <del></del>   |  |                                      | Issue Document Verif                                    | ication with Document |  |  |  |  |

## Contents

| Exec | utive Sum | mary  | Page<br>i |
|------|-----------|---|-----------|
| 1    | Introdu   | •   | 1         |
|      | 1.1       | Project Background  | 1         |
|      | 1.2       | Project Organisation  | 2         |
|      | 1.3       | Impact EM&A Requirements  | 4         |
|      | 1.4       | Purpose of the Report   | 4         |
| 2    | Scope     | of Construction Works   | 4         |
|      | 2.1       | Construction Programme  | 4         |
|      | 2.2       | Construction Activities of the Month  | 4         |
| 3    | Summ      | ary of EM&A Requirements  | 4         |
|      | 3.1       | Construction Noise  | 4         |
|      | 3.2       | Marine Water Quality  | 6         |
|      | 3.3       | Performance Limits and Event and Action Plan  | 7         |
|      | 3.4       | Site Inspection and Environmental Complaint Handling  | 13        |
| 4    | Noise     | Monitoring  | 16        |
|      | 4.1       | Monitoring Equipment  | 16        |
|      | 4.2       | Methodology   | 16        |
|      | 4.3       | Results and Observations  | 16        |
| 5    | Marine    | Water Quality Monitoring  | 17        |
|      | 5.1       | Marine Water Quality Monitoring Equipment   | 17        |
|      | 5.2       | Methodology   | 17        |
|      | 5.3       | Results and Observations  | 18        |
| 6    |           | spection, Waste Disposal, environmental complaints, environmental licenses ar impliance records | nd<br>24  |
|      | 6.1       | Site Audit Findings   | 24        |
|      | 6.2       | Waste Disposal  | 25        |
|      | 6.3       | Complaint Record  | 25        |
|      | 6.4       | Exceedance  | 25        |
|      | 6.5       | Notification of Summons and Successful Prosecution  | 26        |
|      | 6.6       | Environmental Licenses  | 26        |
| 7    | Conclu    | usions  | 26        |
| 8    | Refere    | nces  | 27        |

## **Tables**

| Table 3-1: | Construction noise monitoring parameters and frequency                             |
|------------|--|
| Table 3-2: | Construction noise monitoring locations  |
| Table 3-3: | Marine water quality monitoring locations  |
| Table 3-4: | Action and Limit Levels of construction noise                                      |
| Table 3-5: | Event and Action Plan for construction noise                                       |
| Table 3-6: | Action and Limit Levels of marine water quality established in Baseline Monitoring |
|            | Report #   |
| Table 3-7: | Marine water quality data obtained in the baseline check on 27 February 2006       |
| Table 3-8: | Event-Action plan for marine water quality   |
| Table 5-1: | Equipment list for construction noise monitoring                                   |
| Table 5-1: | Marine water quality monitoring equipment  |
| Table 6-1: | Findings of weekly environmental site audit in June 2007                           |
| Table 6-2: | Waste disposal quantity in June 2007   |
| Table 6-3: | Summary of exceedances of marine water quality monitoring (related to construction |
|            | works of the Project) in June 2007   |
| Table 6-4: | Summary of valid environmental licences in June 2007                               |

## **Figures**

| Site location plan  |
|---|
| Project organisation chart  |
| Noise monitoring station  |
| Marine water quality monitoring locations                           |
| Complaint procedure   |
| DO levels (surface and middle level) at mid-ebb tide in June 2007   |
| DO levels (bottom level) at mid-ebb tide in June 2007               |
| DO levels (surface and middle level) at mid-flood tide in June 2007 |
| DO levels (bottom level) at mid-flood tide in June 2007             |
| Turbidity levels at mid-ebb tide in June 2007                       |
| Turbidity levels at mid-flood tide in June 2007                     |
| SS levels at mid-ebb tide in June 2007                              |
| SS levels at mid-flood tide in June 2007                            |
|   |

## **Appendices**

| Appendix A | Construction programme                                    |
|------------|---|
| Appendix B | Monitoring schedule for June 2007 and July 2007           |
| Appendix C | Calibration certificates of marine monitoring equipment   |
| Appendix D | Marine water quality monitoring results                   |
| Appendix E | Records on disposal of C&D material by barge              |
| Appendix F | Investigation summary on marine water quality exceedances |
| Appendix G | Silt curtain daily inpsection record                      |
|            |   |

## **Executive Summary**

This is the sixteenth monthly environmental monitoring and audit (EM&A) report presenting the progress of environmental monitoring and audit works for the reporting period between 01 and 30 June 2007. Noise monitoring at Grand Bay Villa was temporarily suspended as the premises were vacant. Marine water monitoring and weekly environmental site audit were carried out during the reporting period.

#### **Marine Water Quality Monitoring**

Impact marine water quality monitoring was conducted during mid-ebb and mid-flood tidal cycles at 10 designated locations including 5 impact and 5 control stations. A baseline check was conducted on 27 February 2006 prior to the commencement of marine works and a compliance checking mechanism was established in accordance with the criteria specified in Baseline Monitoring Report.

#### **Summary of Mid-Ebb Tide**

The lowest DO level for surface & middle position of 5.42 mg/L was recorded at WWA1 and WWA2 on 15 June 2007 and the lowest DO level for bottom position of 5.35 mg/L was recorded at WWA2 on 29 June 2007. There was no exceedance of DO level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest depth-averaged Tby level of 8.1 Nephelometric Turbidity Unit (NTU) was recorded at WWA3 on 06 June 2007. There were 4 exceedances of Tby Baseline Check Criteria on 04, 06 and 08 June 2007, 2 exceedances of Tby Action Level on 04 and 06 June 2007 and 2 exceedances of Tby Limit Level on 06 and 08 June 2007 during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level of 26.3 mg/L was recorded at WWA3 on 06 June 2007. There were 5 exceedances of SS Baseline Check Criteria on 04 and 06 June 2007 and 1 exceedance of SS Limit Level on 06 June 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The exceedances of Tby and SS Levels were likely attributed to natural variation of marine water.

#### **Summary of Mid-Flood Tide**

The lowest DO level for surface & middle position of 5.42 mg/L was recorded at WWA2 on 15 June 2007 and the lowest level for bottom position of 5.37 mg/L was recorded at WWFCZ2 on 20 June 2007. There was no exceedance of DO level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest depth-averaged Tby level of 7.9 NTU was recorded at WWA3 on 06 June 2007. There were 3 exceedances of Baseline Check Criteria on 04 and 06 June 2007 and 1 exceedance of Action Level on 06 June 2007 no exceedance of Tby level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level of 17.8 mg/L was recorded at WWA1 on 06 June 2007. There was 1 exceedance of SS Baseline Check Criteria on 06 June 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The exceedances of Tby and SS Levels were likely attributed to natural variation of marine water.

#### **Environmental Auditing**

A total of 4 environmental site audits were conducted in June 2007 CT was recommended to improve in the following areas:

Air Quality: Frequent clearing of dusty materials on the road;

Waste Management: Frequent clearing of general refuse and construction waste, provision of driptrays to oil drums.

#### **Waste Disposal**

A total of 78.34 tonnes of Construction & Demolition (C&D) waste and 6,218.95 tonnes of C&D materials (4,637.13 tonnes transported by barge and 1,581.82 tonnes transported by barge) were disposed of at landfills and Public Filling Reception Facility at Tuen Mun Area 38 respectively during reporting period. No chemical waste was disposed of during the reporting period.

#### **Complaint Records**

There was no environmental complaint received in June 2007.

#### **Exceedance**

Exceedances of Tby and SS levels for marine water quality were recorded during reporting period when compared with A/L Levels and baseline check criteria.

Investigation has been conducted for the exceedances. The exceedances were likely attributed to natural variation of marine water.

#### **Notification of Summons and Successful Prosecution**

No notification of summon and prosecution was received during the reporting period.

#### **Environmental Licences**

No new environmental licence was granted during the reporting period.

#### 1 Introduction

Ove Arup & Partners Hong Kong Limited (Arup) was appointed by the Contractor (CT) – Chun Wo Construction & Engineering Co. Ltd as the Environmental Team (ET) for *Contract No. HY/2005/06 Castle Peak Road Improvements – West of Tsing Lung Tau* (hereafter called the "Project"). The reclamation at west of Tsing Lung Tau is covered by an Environmental Permit (EP) No. EP-219/2005 issued in June 2005 with reference to Section 6 of the Technical Memorandum on Environmental Impact Assessment Ordinance (TM-EIAO). The EP was issued following the approval of the application to apply directly for an EP based upon the Project Profile. In accordance with the EM&A Manual, environmental monitoring for construction noise and marine water quality will be required during the construction and operational phases. The construction phase of the Project commenced on 28 February 2006.

## 1.1 Project Background

The Castle Peak Road (CPR) Improvement works consist of upgrading the existing CPR to provide a dual two-lane carriageway of "Rural Road A" classification between Area 2 (Tusen Wan) and Ka Loon Tsuen. The CPR Improvement project is divided into three contracts, namely HY/99/18 (West Contract), HY/99/19 (Middle Contract) and HY/2000/02 (East Contract).

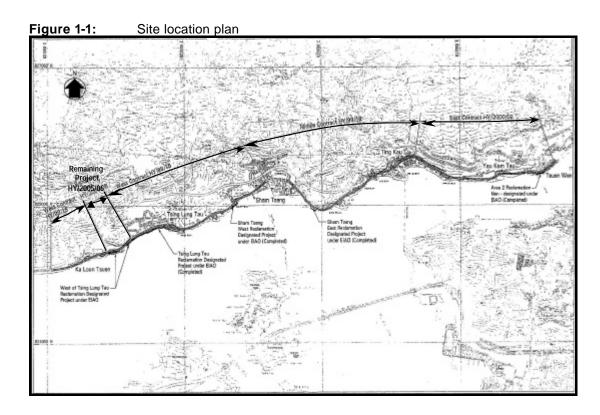
Prior to inviting tenders for Contract No. HY/99/18, a section of the proposed works, between Ch.1+800 and Ch.2+240, west of Tsing Lung Tau, was excised from the Project and entrusted to the Route 10 – North Lantau to Yuen Long Highway project. This 440m long section of CPR was located under the proposed Route 10 suspension bridge, and was to form part of the works area for the Route 10 project. The Route 10 project team revised the alignment of this section of CPR accordingly to suit the arrangement of the Route 10 suspension bridge.

Following subsequent developments, the Route 10 project was placed under review, and Government therefore decided to implement the excised section of CPR (the Remaining Project) under the original CPR Improvement project. **Figure 1-1** shows the site location plan.

Additional reclamation (0.58 ha) at west of Tsing Lung Tau is required to support part of the remaining section of road improvement works and the additional reclamation works constitutes a material change to the reclamation works at Tsing Lung Tau.

The scope of the construction works covered by this Project is summarised as follows:

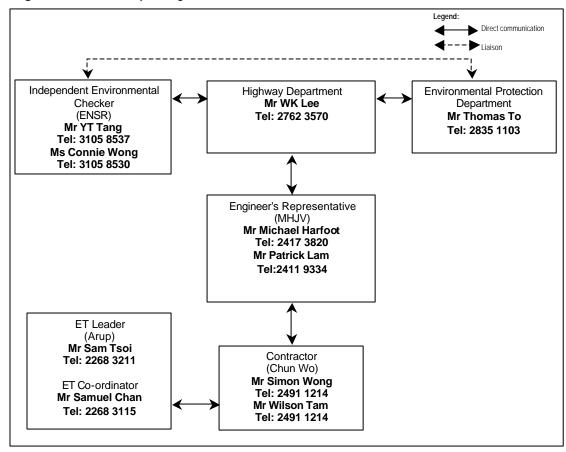
- The area of reclamation to the east of Grand Bay Villa is about 0.12 ha. The length of this part of the reclamation, measured parallel to the road, is about 107 m, and the maximum width, measured from the existing High Water Mark (HWM) to the proposed toe of the scour apron is about 16 m, of which about 13 m is sloping revetment;
- The area of reclamation west of Grand Bay Villa is about 0.46 ha. The length of this part of the reclamation, measured parallel to the road, is about 172 m, and the maximum width, measured from the existing High Water Mark (HWM) to the proposed toe of the scour apron is about 38 m, of which about 15 m is sloping revetment.



## 1.2 Project Organisation

The project organisation chart for environmental management is shown in Figure 1.2.

Figure 1-2: Project organisation chart



The Project Proponent is Highway Department; the Engineer's Representative (ER) is Meinhardt Halcrow Joint Venture (MHJV); the Contractor (CT) is Chun Wo Construction & Engineering Co. Ltd; the Independent Environmental Checker (IEC) is ENSR Asia (HK) Ltd (ENSR) and the ET leader is Ove Arup & Partners Hong Kong Ltd (Arup).

The overall duties of ET Leader and the team are as follows:

- sampling, analysis and statistical evaluation of monitoring parameters with reference to the EIA study and subsequent reviews recommendations and requirements in respect of noise, dust and water quality;
- environmental site surveillance;
- audit of compliance with environmental protection and pollution prevention and control regulations;
- monitor the implementation of environmental mitigation measures;
- monitor compliance with the environmental protection clauses/specifications in the Contract:
- · review construction programme and comment as necessary;
- review construction methodology and comment as necessary;
- complaint investigation, evaluation and identification of corrective measures;
- audit of the effectiveness of mitigation measures and EMS (if applicable) and recommend and implement any changes as appropriate.
- liaison with IEC on all environmental performance matters;
- advice to the CT on environmental improvement, awareness, enhancement matter, etc., on site; and
- Timely submission of the EM&A reports to the ER, IEC and DEP.

The duties of IEC include the followings:

- review and audit all aspects of the EM&A programme;
- validate and confirm the accuracy of monitoring results, monitoring equipment, monitoring locations, monitoring procedures and locations of sensitive receivers;
- carry out random sample check and audit on monitoring data and sampling procedures, etc;
- conduct random site inspection;
- audit the EIA, subsequent reviews and Environmental Permit recommendations and requirements against the status of implementation of environmental protection measures on site.
- review the effectiveness of environmental mitigation measures and project environmental performance;
- audit the CT's construction methodology and agree the least impact alternative in consultation with ET Leader and the CT;
- · check compliant cases and the effectiveness of corrective measures;
- review EM&A report submitted by the ET Leader; and
- feedback audit results to ET Leader by signing off relevant EM&A proformas.

#### 1.3 Impact EM&A Requirements

The impact environmental monitoring and audit for the Project included noise, marine water quality and environmental site audit.

#### 1.4 Purpose of the Report

The purpose of the monthly EM&A report is to provide the information on monitoring methodology, monitoring results, environmental permit status, site audit findings, recommendations and conclusions for the scope of impact EM&A specified under EP No. EP-219/2005.

This is the sixteenth monthly EM&A report summarising the monitoring methodology, locations, periods, frequencies, results and any observation from the noise, marine water quality and environmental site audit from 01 June 2007 to 30 June 2007.

## 2 Scope of Construction Works

#### 2.1 Construction Programme

The construction work was commenced on 28 February 2006. An up-to-date construction programme is attached in **Appendix A**.

#### 2.2 Construction Activities of the Month

The major construction activities carried out by CT in June 2007 included:

- Construction of retaining wall at Seawall B
- Removal of stockpile at Seawall B; and
- Concreting at slope 82.

## 3 Summary of EM&A Requirements

Marine water quality and noise monitoring at Grand Bay Villa will be conducted by an ET at all specified monitoring locations during the construction stage. Environmental site audits will also be carried out.

The monitoring schedule for June 2007 and the tentative schedule for July 2007 are attached in **Appendix B**.

#### 3.1 Construction Noise

### 3.1.1 Monitoring Parameters

Construction noise monitoring will be measured in terms of the A-weighted equivalent continuous sound pressure level ( $L_{eq}$ ).  $L_{10}$  and  $L_{90}$  will also be recorded as supplementary reference information for data auditing.

#### 3.1.2 Monitoring Frequency

Noise measurements will be conducted on a weekly basis. The monitoring time periods, monitoring parameters and frequency are summarised in **Table 3-1**.

**Table 3-1:** Construction noise monitoring parameters and frequency

| Time Period (when construction activity is found) | Parameters              | Monitoring<br>Frequency | No. of Measurements for Each Monitoring |
|---|-------------------------|-------------------------|---|
| Between 0700-1900 hours on normal weekdays        | L <sub>eq(30 min)</sub> |                         | 1                                       |
| Between 1900-2300 hours on normal weekdays        |                         | Once per                |   |
| Between 2300-0700 hours of next day               | Leq(5 min)*             | week                    | 3 (consecutive)                         |
| Between 0700-1900 hours on holidays               |                         |                         |   |

The L<sub>eq(5 min)</sub> will only be measured if construction activities are conducted in holidays and between the period of 1900 and 0700 hours during normal weekdays.

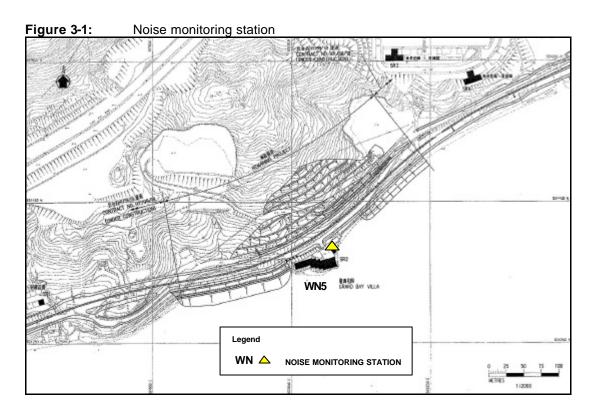
#### 3.1.3 Monitoring Location

Noise monitoring will be conducted at one designated location as shown in **Figure 3-1**. The details of the noise monitoring location are given in **Table 3-2**. The measurements will be taken at a position 1m from the exterior of building faç ade and at a position of 1.2m above ground.

Table 3-2: Construction noise monitoring locations

| Noise Monitoring Station No. |                 | Monitoring Point | Remarks                            |
|------------------------------|-----------------|------------------|------------------------------------|
| WN5                          | Grand Bay Villa | G/F, House 1     | Monitoring temporarily suspended * |

Grand Bay Villa is currently vacant with no resident. Construction noise monitoring at WN5 temporarily suspended until the premises are occupied.



#### 3.2 Marine Water Quality

#### 3.2.1 Monitoring Parameters

Marine water quality monitoring will include Turbidity (Tby) in the unit of NTU, Dissolved Oxygen (DO) in the unit of mg/L and Suspended Solids (SS) in the unit of mg/L. In addition to the water quality parameters, other relevant data such as monitoring location/position, time, water depth, water temperature, salinity, DO saturation, weather conditions, sea conditions, tidal stage will be recorded as far as practicable together with observations of any special phenomena, works underway at the construction site, etc.

#### 3.2.2 Monitoring Frequency

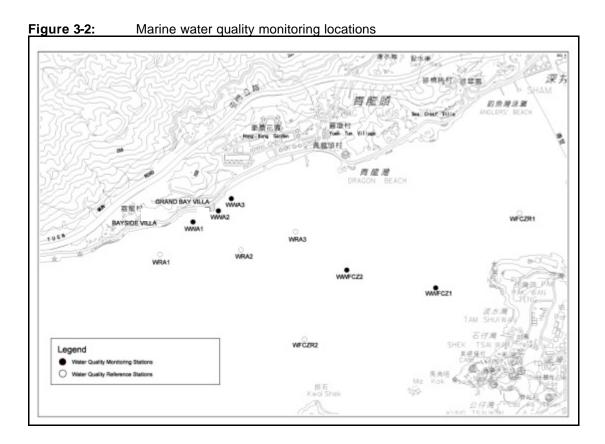
Impact marine water quality monitoring will be conducted three times per week, at mid-flood and mid-ebb tides and at 10 designated monitoring locations. The interval between two sets of monitoring will not be less than 36 hours.

#### 3.2.3 Monitoring Locations

A total of 10 locations, 5 for impact and 5 for control were specified for marine water quality monitoring in accordance with the EM&A Manual, which are summarised in **Table 3-3** and shown in **Figure 3-2**.

**Table 3-3:** Marine water quality monitoring locations

| Marine Water Quality       | Locat                     | Location  |        |  |  |
|----------------------------|---------------------------|-----------|--------|--|--|
| Marine Water Quanty        | Eastings                  | Northings |        |  |  |
| West of Grand Bay Villa    | WWA1 (Impact Location)    | 821981    | 824282 |  |  |
| West of Grand Bay vind     | WRA1 (Control Location)   | 821776    | 824078 |  |  |
| Grand Bay Villa            | WWA2 (Impact Location)    | 822141    | 824352 |  |  |
| Grana bay vina             | WRA2 (Control Location)   | 822283    | 824107 |  |  |
| East of Grand Bay Villa    | WWA3 (Impact Location)    | 822222    | 824429 |  |  |
| East of Grand Bay villa    | WRA3 (Control Location)   | 822625    | 824222 |  |  |
|                            | WWFCZ1 (Impact Location)  | 823500    | 823870 |  |  |
| Ma Wan Fish Culture Zone   | WWFCZ2(Impact Location)   | 822943    | 823983 |  |  |
| Wid Wall Fish Outland Zone | WFCZR1 (Control Location) | 824024    | 824333 |  |  |
|                            | WFCZR2 (Control Location) | 822677    | 823547 |  |  |



## 3.3 Performance Limits and Event and Action Plan

The monitoring results will be checked against appropriate standards and requirements. A two-tier system performance limits have been established in the Project specific EM&A Manual. The "Action Level" and the "Limit Level" (A/L) are established according to the EPD requirements. The ET, ER, IEC, and CT will take corresponding action in accordance with the Event-Action Plans if the monitoring results exceed the performance limits.

#### 3.3.1 Construction Noise

The A/L Levels for the construction noise have been established during the baseline monitoring as summarised in **Table 3-4**.

Table 3-4: Action and Limit Levels of construction noise

| Time Period   | Action Level                              | Limit Level |
|---|---|-------------|
| 0700 - 1900 hours on any day not being a Sunday or public holiday | When one documented complaint is received | 75dB(A)     |

The action required to be taken by different parties in the case of exceedance of A/L Levels are summarised in the Event and Action Plan in **Table 3-5**.

Table 3-5: Event and Action Plan for construction noise

| <b>.</b>        | 3-5: Event and Acti  | Action  |  |   |  |  |  |  |  |  |
|-----------------|--|---|--|---|--|--|--|--|--|--|
| Event           | ET Leader  | IEC   | ER   | СТ  |  |  |  |  |  |  |
| Action<br>Level | <ol> <li>Notify IEC and the CT.</li> <li>Carry out investigation.</li> <li>Report the results of investigation to the IEC and the CT.</li> <li>Discuss with the CT and formulate remedial measures.</li> <li>Increase monitoring frequency to check mitigation effectiveness.</li> </ol>   | Review with the analysed results submitted by ET.     Review the proposed remedial measures by the CT and advise ER accordingly.     Supervise the implementation of remedial measures.   | <ol> <li>Confirm receipt of notification of exceedance in writing.</li> <li>Notify the CT.</li> <li>Require the CT to propose remedial measures for the analysed noise problem.</li> <li>Ensure remedial measures are properly implemented.</li> </ol>   | <ol> <li>Submit noise<br/>mitigation<br/>proposals to IEC.</li> <li>Implement noise<br/>mitigation<br/>proposals.</li> </ol>  |  |  |  |  |  |  |
| Limit<br>Level  | <ol> <li>Notify the IEC, the ER, the DEP and the CT.</li> <li>Identify the source.</li> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring frequency.</li> <li>Carry out analysis of CT's working procedures to determine possible mitigation to be implemented.</li> <li>Inform the IEC, the ER, and the DEP the causes &amp; actions taken for the exceedances.</li> <li>Assess effectiveness of the CT's remedial actions and keep the IEC, the DEP and the ER informed of the results.</li> <li>If exceedance stops, cease additional</li> </ol> | <ol> <li>Discuss amongst the ER, the ET Leader and the CT on the potential remedial actions.</li> <li>Review the CT's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly.</li> <li>Supervise the implementation of remedial measures.</li> </ol> | <ol> <li>Confirm receipt of notification of exceedance in writing.</li> <li>Notify the CT.</li> <li>Require the CT to propose remedial measures for the analysed noise problem.</li> <li>Ensure remedial measures are properly implemented.</li> <li>If exceedance continues, consider what activity of the work is responsible and instruct the CT to stop that activity of work until the exceedance is abated.</li> </ol> | <ol> <li>Take immediate action to avoid further exceedance.</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification.</li> <li>Implement the agreed proposals.</li> <li>Resubmit proposals if problem still not under control.</li> <li>Stop the relevant activity of works as determined by the ER until the exceedance is abated.</li> </ol> |  |  |  |  |  |  |

#### 3.3.2 Marine Water Quality

Based on the baseline water quality monitoring data obtained. The A/L levels established using the baseline marine water quality monitoring data are shown in **Table 3-6**. If the water quality monitoring results at any impact stations exceeded the criteria, the actions in accordance with the Event-Action Plan in **Table 3-8** should be carried out.

As the baseline monitoring was conducted in September to October 2005, the established A/L Levels will be more representative to the marine water quality during summer months. To cope with any potential variation of baseline levels due to change in weather conditions, baseline check will be conducted in bi-annual basis in order to update any variation of the baseline water quality at the monitoring locations.

The first baseline check was conducted on 27 February 2006 prior to the commencement of marine works and the updated marine water quality monitoring data were summarised in **Table 3-7**. Compliance assessment for future impact monitoring data will be made against the updated baseline check criteria as follows:

- Tier 1 Comparison of water quality monitoring data at Impact Stations with the A/L Levels (Table 3-6) established in the Baseline Monitoring Report. If the data comply with A/L Levels, go to Tier 2. Otherwise, non-compliance will be reported and Event and Action Plan will be triggered.
- Tier 2 Comparison of water quality monitoring data at Impact Stations with the Baseline Check Level (80% of average values of baseline check data collected at 10 monitoring locations for DO and 120% of average values of baseline check data collected at 10 monitoring locations for Tby and SS) (Table 37). If the impact water quality is better than Baseline Check Level, compliance will be reported. Otherwise, go to Tier 3.
- Tier 3 Comparison of water quality monitoring data at Impact Stations with the respective Control Stations. If the impact water quality is better than the respective Control Station, compliance will be reported. Otherwise, non-compliance will be reported and Event-Action Plan will be triggered for implementation of action based on exceedance of Action Level.

**Table 3-6:** Action and Limit Levels of marine water quality established in Baseline Monitoring Report #

| Parameters    |                  |              |             |              |             | Monitoring   | locations   |              |             |              |             |
|---------------|------------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
|               |                  | ww           | A1          | ww.          | A2          | ww           | A3          | WWF          | CZ1         | WWF          | CZ2         |
|               |                  | Action Level | Limit Level |
|               |                  |              |             |              | Mid-        | -ebb         |             |              |             |              |             |
| DO            | Surface & middle | 3.5          | 3.5         | 3.5          | 3.4         | 3.4          | 3.3         | 5.0 *        | 5.0         | 5.0 *        | 5.0         |
| (mg/L)        | Bottom           | 3.4          | 3.4         | 3.4          | 3.3         | 3.4          | 3.2         | 3.7          | 2.0         | 3.6          | 2.0         |
| Tby (NTU)     |                  | 7.4          | 7.7         | 6.7          | 6.9         | 7.8          | 8.3         | 6.4          | 8.6         | 6.7          | 7.0         |
| Ç             | SS (mg/L)        | 25.3         | 26.0        | 22.2         | 23.1        | 24.6         | 25.2        | 26.3         | 30.3        | 22.6         | 22.9        |
|               |                  |              |             |              | Mid-1       | flood        |             |              |             |              |             |
| DO (750 57/L) | Surface & middle | 3.3          | 3.3         | 3.4          | 3.3         | 3.5          | 3.3         | 5.0 *        | 5.0         | 5.0 *        | 5.0         |
| (mg/L)        | Bottom           | 3.2          | 3.2         | 3.2          | 3.2         | 3.2          | 3.2         | 3.3          | 2.0         | 3.5          | 2.0         |
| Tby (NTU)     |                  | 6.9          | 7.2         | 7.6          | 8.2         | 8.7          | 10.7        | 7.4          | 11.0        | 5.9          | 6.5         |
| (             | SS (mg/L)        | 24.1         | 24.3        | 23.5         | 23.6        | 22.3         | 23.5        | 24.4         | 25.8        | 27.4         | 28.0        |

#### Notes:

<sup>&</sup>lt;sup>#</sup> Action and Limit Level for marine water quality were extracted from Baseline Monitoring Report, April 2006.

<sup>\*</sup> Based on the criteria in Table 4-6 of Baseline Monitoring Report, the originally established action levels of DO for fish culture zone at surface & middle level were all below the 5.0 mg/L.

**Table 3-7:** Marine water quality data obtained in the baseline check on 27 February 2006

|              | Parameters       |      | Monitoring locations |      |        |        |  |  |
|--------------|------------------|------|----------------------|------|--------|--------|--|--|
|              | raiailleteis     | WWA1 | WWA2                 | WWA3 | WWFCZ1 | WWFCZ2 |  |  |
|              |                  |      | Mid-                 | ebb  |        |        |  |  |
| DO           | Surface & middle | 5.4  | 5.4                  | 5.4  | 5.4    | 5.4    |  |  |
| (mg/L)       | Bottom           | 5.4  | 5.4                  | 5.4  | 5.4    | 5.4    |  |  |
|              | Tby (NTU)        | 6.5  | 6.5                  | 6.5  | 6.5    | 6.5    |  |  |
|              | SS (mg/L)        | 13.0 | 13.0                 | 13.0 | 13.0   | 13.0   |  |  |
|              |                  |      | Mid-f                | lood |        |        |  |  |
| DO<br>(mg/l) | Surface & middle | 5.3  | 5.3                  | 5.3  | 5.3    | 5.3    |  |  |
| (mg/L)       | Bottom           | 5.3  | 5.3                  | 5.3  | 5.3    | 5.3    |  |  |
|              | Tby (NTU)        | 6.6  | 6.6                  | 6.6  | 6.6    | 6.6    |  |  |
|              | SS (mg/L)        | 17.0 | 17.0                 | 17.0 | 17.0   | 17.0   |  |  |

**Table 3-8:** Event-Action plan for marine water quality

| Table 3-8:  | Event-Action plan for marine water quality   |  |   |  |  |  |  |
|---|--|--|---|--|--|--|--|
| Event   |  |  | Action  |  |  |  |  |
|   | ET Leader  | IEC  | ER  | СТ   |  |  |  |
| Action Level  |  |  |   |  |  |  |  |
| Action level being exceeded by one sampling day               | <ol> <li>Repeat in-situ measurement to confirm findings.</li> <li>Identify source(s) of impact.</li> <li>Inform the IEC and the CT.</li> <li>Check monitoring data, all plant, equipment and the CT's working methods.</li> <li>Discuss mitigation measures with the IEC and the CT.</li> <li>Repeat measurement on next day of exceedance.</li> </ol>   | Discuss with the ET Leader and the CT on the mitigation measures.     Review proposals on mitigation measures submitted by the CT and advised the ER accordingly.     Assess the effectiveness of the implemented mitigation measures. | Discuss with the IEC on the proposed mitigation measures.     Make agreement on the mitigation measures to be implemented.  | <ol> <li>Inform the ER and confirm notification of the non-compliance in writing.</li> <li>Rectify unacceptable practice.</li> <li>Check all plants and equipment.</li> <li>Consider changes of working methods.</li> <li>Discuss with the ET Leader and the IEC and propose mitigation measures to the IEC and the ER.</li> <li>Implement the agreed mitigation measures.</li> </ol>  |  |  |  |
| Action level being exceeded by more than one consecutive days | <ol> <li>Repeat in-situ measurement to confirm findings.</li> <li>Identify source(s) of impact.</li> <li>Inform the IEC and the CT.</li> <li>Check monitoring data, all plant, equipment and the CT's working methods.</li> <li>Discuss mitigation measures with the IEC and the CT.</li> <li>Ensure mitigation measures are implemented.</li> <li>Prepare to increase the monitoring frequency to daily.</li> <li>Repeat measurement on next day of exceedance.</li> </ol>                | Discuss with the ET Leader and the CT on the mitigation measures.     Review proposals on mitigation measures submitted by the CT and advised the ER accordingly.     Assess the effectiveness of the implemented mitigation measures. | <ol> <li>Discuss with IEC on the proposed mitigation measures.</li> <li>Make agreement on the mitigation measures to be implemented.</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ol>   | <ol> <li>Inform the ER and confirm notification of the non-compliance in writing.</li> <li>Rectify unacceptable practice.</li> <li>Check all plants and equipment.</li> <li>Consider changes of working methods.</li> <li>Discuss with the ET Leader and the IEC and propose mitigation measures to the IEC and the ER within 3 working days.</li> <li>Implement the agreed mitigation measures.</li> </ol>  |  |  |  |
| Limit Level   |  | <u></u>  |   |  |  |  |  |
| Limit level being exceeded by one sampling day                | Repeat in-situ measurement to confirm findings.     Identify source(s) of impact.     Inform the IEC, the CT and the DEP.     Check monitoring data, all plant, equipment and the CT's working methods.     Discuss mitigation measures with the IEC, the ER and the CT.     Ensure mitigation measures are implemented.     Increase the monitoring frequency to daily until no exceedance of the Limit Level.     Repeat in-situ measurement to confirm                                  | Discuss with the ET Leader and the CT on the mitigation measures.     Review proposals on mitigation measures submitted by the CT and advised the ER accordingly.     Assess the effectiveness of the implemented mitigation measures. | Discuss with IEC, the ET Leader and the CT on the proposed mitigation measures.     Request the CT to critically review the working methods.     Make agreement on the mitigation measures to be implemented.     Assess the effectiveness of the implemented mitigation measures.  1. Discuss with IEC, the ET Leader and the CT   | Inform the ER and confirm notification of the non-compliance in writing.     Rectify unacceptable practice.     Check all plants and equipment.     Consider changes of working methods.     Discuss with the ET Leader, the IEC and the ER, and propose mitigation measures to the IEC and the ER within 3 working days.     Implement the agreed mitigation measures.  |  |  |  |
| exceeded by<br>more than one<br>consecutive days              | <ol> <li>Repeat in-situ measurement to confirm findings.</li> <li>Identify source(s) of impact.</li> <li>Inform the IEC, the CT and the DEP.</li> <li>Check monitoring data, all plant, equipment and the CT's working methods.</li> <li>Discuss mitigation measures with the IEC, the ER and the CT.</li> <li>Ensure mitigation measures are implemented.</li> <li>Increase the monitoring frequency to daily until no exceedance of the Limit Level for two consecutive days.</li> </ol> | Discuss with the ET Leader and the CT on the mitigation measures.     Review proposals on mitigation measures submitted by the CT and advised the ER accordingly.     Assess the effectiveness of the implemented mitigation measures. | <ol> <li>Discuss with IEC, the ET Leader and the CT on the proposed mitigation measures.</li> <li>Request the CT to critically review the working methods.</li> <li>Make agreement on the mitigation measures to be implemented.</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> <li>Consider and instruct, if necessary, the CT to slow down or to stop all or part of the marine work until no exceedance of Limit Level.</li> </ol> | <ol> <li>Inform the ER and confirm notification of the non-compliance in writing.</li> <li>Rectify unacceptable practice.</li> <li>Check all plants and equipment.</li> <li>Consider changes of working methods.</li> <li>Discuss with the ET Leader, the IEC and the ER, and propose mitigation measures to the IEC and the ER within 3 working days.</li> <li>Implement the agreed mitigation measures.</li> <li>As directed by the ER, slow down or stop all or part of the construction activities.</li> </ol> |  |  |  |

#### 3.4 Site Inspection and Environmental Complaint Handling

#### 3.4.1 Site Inspection Frequency and Areas Covered

Regular site inspections will be carried out on a weekly basis. The areas of inspection cover the different environmental impacts, such as air, noise, water and waste, and their pollution controls and mitigation measures for both within and outside the site area.

Ad hoc site inspection will be carried out if significant environmental non-compliance is identified. Inspections may also be carried out subsequent to receipt of any environmental complaints, or as part of the investigation work, as specified in the Event and Action Plans.

#### 3.4.2 Site Inspection Procedures

- a) The CT and/or ER will advise the Environmental Auditor (EA) of the ET for all information on any environmental related aspects.
- b) The EA will discuss with the CT and/or ER to sort out and forecast any potential environmental impact.
- c) The EA will conduct a site walk with the CT and/or ER, particularly the areas with extensive construction works.
- d) The EA will conduct inspection for the main environmental facilities and measures such as wheel washing facilities located at site exits, water spraying truck, temporary noise barrier, and internal noise-reducing measures of the heavy equipment etc, to ensure that these environmental facilities operate normally and effectively.
- e) The EA will fill up a site inspection checklist during the site inspection for recording any special observations.
- f) The EA will conduct post-discussion with the CT and/or ER for the establishment of additional/special measures if any non-conformance is found. The completion date for such additional measures will be confirmed during the post-discussion.
- g) The EA will propose a reasonable timeframe together with the CT and/or ER, for the preparation of the proposal for remediation of environmental non-compliance.
- h) The completed site inspection checklist will be signed by the EA, the CT and/or ER, for reference and for taking action in accordance with the agreed procedures, reporting systems and time frame.

#### 3.4.3 Environmental Complaints

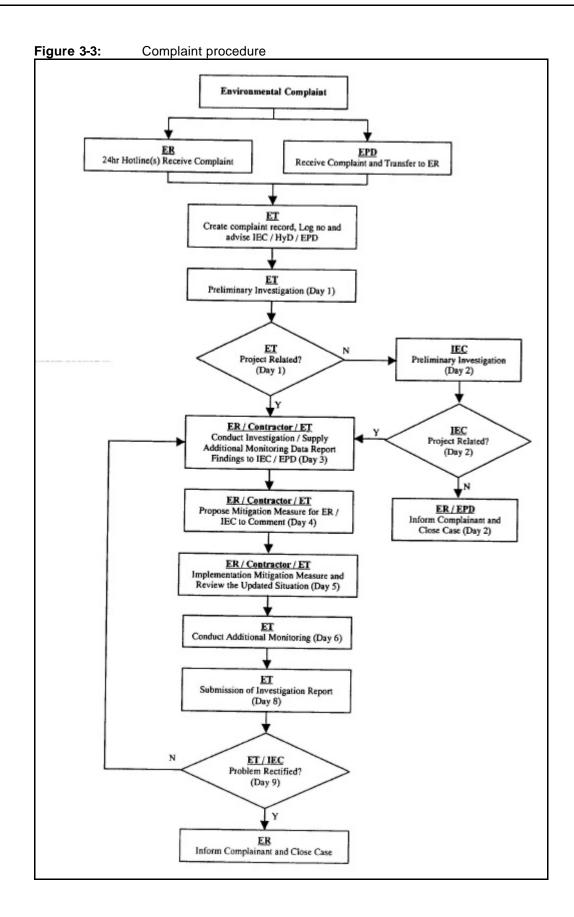
A 24-hour complaint hotline at 6277 7465 has been established for the Project. In accordance with the EM&A Manual, environmental complaints will be referred to the ET for initiation of the complaint investigation procedures. The ET will undertake the following procedures upon receipt of complaints:

- a) The ET will record the details of the complaint and the date of receipt into the complaint database, and inform ER immediately.
- b) The ET will perform compliant investigation to determine its validity and to assess whether the source of the problem is due to work activities.
- c) The ER will instruct the CT to identify mitigation measures in consultation with the ET, if the compliant is valid and due to works.
- d) The ET will liaise with the CT on their mitigation measure proposals and implementation, if required.

- e) The ET will conduct review of the CT's response on the identified mitigation measures, and of the updated situation.
- f) The ET will submit interim report to EPD if the complaint is received via EPD. The interim report will clearly state the status of the complaint investigation and the follow-up action within the time frame assigned by EPD.
- g) The ET will undertake additional monitoring and audit to verify the situation if necessary, and ensure that any valid reason for complaint does not recur.
- h) The ET will report on the investigation results and the subsequent actions to the source of complaint for responding to the complainant. If the source of complaint is via EPD, the results will be reported within the time frame assigned by EPD.
- i) The ET will record the details of the complaint, investigation, subsequent actions and results in the monthly EM&A report.

During the complaint investigation work undertaken by the ET, the CT and ER should cooperate with the ET on providing all the necessary information and assistance for completion of the investigation. If mitigation measures are identified as necessary after the investigation, the CT should promptly carry out the required mitigation to the satisfaction of ET. The ER should ensure that the CT has carried out such identified measures.

A flow chart of the complaint response procedures is shown in Figure 3-3 for reference.



## 4 Noise Monitoring

#### 4.1 Monitoring Equipment

Details of the integrating sound level meters used in the noise monitoring are shown in **Table 5-1**.

**Table 5-1:** Equipment list for construction noise monitoring

| Equipment                     | Manufacturer & Model No. | Precision Grade | Qty. |
|-------------------------------|--------------------------|-----------------|------|
| Integrating sound level meter | Rion NA-27               | IEC 651 Type 1  | 1    |
| Windshield                    | Brüel & Kjær UA0237      | IEC 804 Type 1  | 1    |
| Acoustical calibrator         | Brüel & Kjær 4226        | 120 004 Type 1  | 1    |
| LCD wind speed indicator      | Kestrel Vane Anemometer  |                 | 1    |

#### 4.2 Methodology

#### 4.2.1 Occupancy Status of Grand Bay Villa

The property management company of Grand Bay Villa (WN5) will be coordinated a monthly basis within 10 working days of each month to confirm the occupancy status of these premises. Once this location is confirmed occupied, noise monitoring will be resumed within 1 week.

#### 4.2.2 Field Measurement

- The sound level meter and battery were checked to ensure that they were in proper condition.
- The sound level meter was set on a tripod at 1.2m above ground and at 1m from the exterior of the building fac ade.
- Before conducting the measurement, the sound level meter was calibrated by an acoustical calibrator.
- The measurement parameter was set to A-weighted sound pressure level. The time weighting was set in fast response and the time period of measurement at 30 minutes.
- The wind speed was checked during noise monitoring to ensure the steady wind speed did not exceed 5m/s, or wind with gusts did not exceed 10m/s.
- Any abnormal conditions that generated intrusive noise during the measurement were recorded on the field record sheet.
- After each measurement, the equivalent continuous sound pressure level (L<sub>eq</sub>), L<sub>10</sub> and L<sub>90</sub> were recorded on the field record sheet.
- The sound level meter was re-calibrated by the acoustical calibrator to confirm that there was no significant drift of reading.

#### 4.2.3 Equipment Maintenance and Calibration

All sound level meters comply with the standards of IEC 651 (Fast, Slow, Impulse RMS detector tests) and IEC 804 ( $L_{eq}$  functions). The acoustical calibrator model no. 4226 complies with IEC 942.

#### 4.3 Results and Observations

#### 4.3.1 Occupancy Status of Grand Bay Villa

In the reporting period, Grand Bay Villa (WN5) was vacant with no resident and noise monitoring was temporarily suspended.

## 5 Marine Water Quality Monitoring

#### 5.1 Marine Water Quality Monitoring Equipment

Monitoring of Turbidity (Tby) in NTU, Dissolved Oxygen (DO) in mg/L and Suspended Solids (SS) in mg/L was carried to ensure that any deteriorating water quality would be readily detected and timely action would be taken to rectify the situation. Tby and DO were measured in-situ while SS was determined in the laboratory. A list of the marine water quality monitoring equipment is summarised in **Table 5-1**.

**Table 5-1:** Marine water quality monitoring equipment

| Equipment                                 | Manufacturer & Model No. | Qty |
|---|--------------------------|-----|
| Handheld DO, Temperature & Salinity Meter | YSI Model 85             | 1   |
| pH meter                                  | Hanna                    | 1   |
| Turbidimeter                              | HACH 2100P               | 1   |

#### 5.2 Methodology

#### 5.2.1 DO, Temperature and Salinity Measuring Equipment

The equipment to measure DO, temperature and salinity complied with the following:

- i. The instrument was a portable, weatherproof dissolved oxygen measuring instrument complete with cable and used a DC power source. It was capable of measuring:
  - A dissolved oxygen level in the range of 0-20 mg/L and 0-200% saturation;
  - A temperature of 0-45°C; and
  - A salinity level in the range of 0-40 ppt.
- ii. It had a membrane electrode with automatic temperature compensation complete with a cable.

#### 5.2.2 Tby Measurement Instrument

The instrument was a portable, weatherproof turbidity-measuring instrument complete with comprehensive operations manual. The equipment used a DC power source. It had a photoelectric sensor capable of measuring turbidity between 0-1000 NTU and was complete with a cable.

#### 5.2.3 SS

The following equipment was used to monitor the SS:

- (1) A water sampler comprised a transparent PVC cylinder, with a capacity of not less than 2 litres and which can be effectively sealed with latex cups at both ends. The sampler had a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler was at the selected water depth.
- (2) Water samples for SS measurement were collected in high density polythene bottles, packed in ice (cooled at 4°C without being frozen) and delivered to the laboratory as soon as possible after collection.

#### 5.2.4 Water Depth Detector

A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring.

#### 5.2.5 Location of the Monitoring Site

A hand-held Global Positioning System (GPS) was used during monitoring to ensure the monitoring vessel was at the correct location before taking measurements.

#### 5.2.6 Calibration and Accuracy of Instrumentation

All *in-situ* monitoring instruments were checked, calibrated and certified by a HOKLAS accredited laboratory or any other international accreditation scheme before use, and subsequently re-calibrated at 3 monthly intervals throughout all stages of the water quality monitoring. Response of sensors and electrodes were checked with certified standard solutions before each use. Wet bulb calibration for a DO meter was carried out before measurement at each monitoring location. The calibration certificates are attached in **Appendix C** For the on site calibration of field equipment, the BS 1427:1993, "Guide to Field and on-site test methods for the analysis of waters" was followed.

#### 5.3 Results and Observations

#### 5.3.1 Weather Conditions and Other Factors

Amber rainstorm signal was issued on 10, 28 and 29 June 2007 and red rainstorm signal was issued on 10 June 2007.

#### 5.3.2 Summary of Results

Impact marine water quality monitoring was undertaking during mid-ebb and mid-flood tidal cycles at 10 designated locations including 5 impact and 5 control stations. A baseline check was conducted on 27 February 2006 prior to the commencement of marine works and a compliance checking mechanism was established in accordance with the Baseline Monitoring Report. Detailed water quality monitoring results are given in **Appendix D**. Graphical presentation of the monitoring results are illustrated in **Figures 5-1 to 5-8**.

#### **Summary of Mid-Ebb Tide**

The lowest DO level for surface & middle position of 5.42 mg/L was recorded at WWA1 and WWA2 on 15 June 2007 and the lowest DO level for bottom position of 5.35 mg/L was recorded at WWA2 on 29 June 2007. There was no exceedance of DO level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest depth-averaged Tby level of 8.1 Nephelometric Turbidity Unit (NTU) was recorded at WWA3 on 06 June 2007. There were 4 exceedances of Tby Baseline Check Criteria on 04, 06 and 08 June 2007, 2 exceedances of Tby Action Level on 04 and 06 June 2007 and 2 exceedances of Tby Limit Level on 06 and 08 June 2007 during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level of 26.3 mg/L was recorded at WWA3 on 06 June 2007. There were 5 exceedances of SS Baseline Check Criteria on 04 and 06 June 2007 and 1 exceedance of SS Limit Level on 06 June 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The exceedances of Tby and SS Levels were likely attributed to natural variation of marine water.

#### **Summary of Mid-Flood Tide**

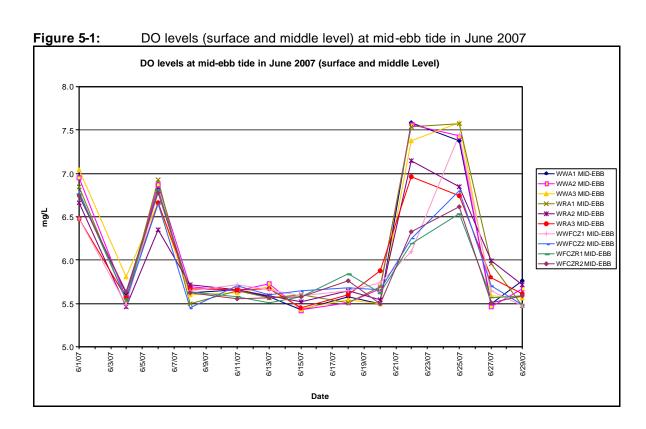
The lowest DO level for surface & middle position of 5.42 mg/L was recorded at WWA2 on 15 June 2007 and the lowest level for bottom position of 5.37 mg/L was recorded at

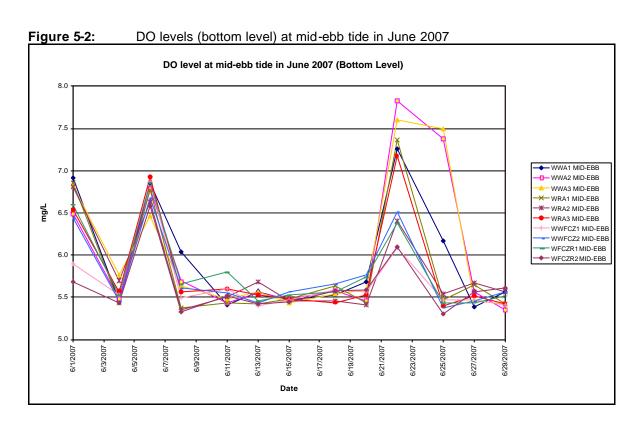
WWFCZ2 on 20 June 2007. There was no exceedance of DO level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

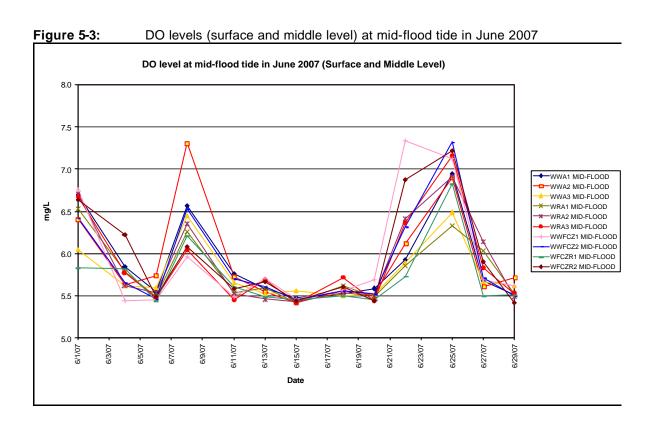
The highest depth-averaged Tby level of 7.9 NTU was recorded at WWA3 on 06 June 2007. There were 3 exceedances of Baseline Check Criteria on 04 and 06 June 2007 and 1 exceedance of Action Level on 06 June 2007 no exceedance of Tby level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

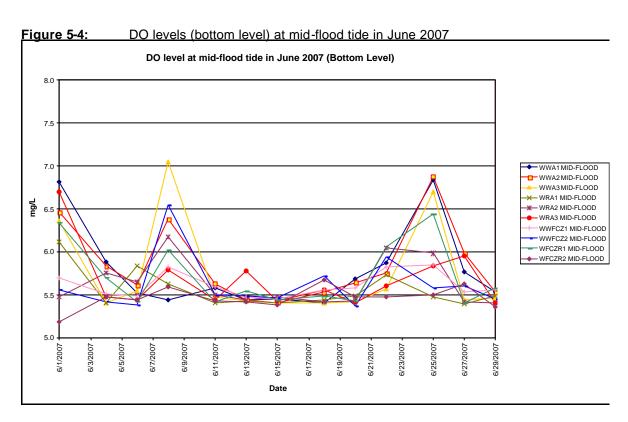
The highest SS level of 17.8 mg/L was recorded at WWA1 on 06 June 2007. There was 1 exceedance of SS Baseline Check Criteria on 06 June 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The exceedances of Tby and SS Levels were likely attributed to natural variation of marine water.









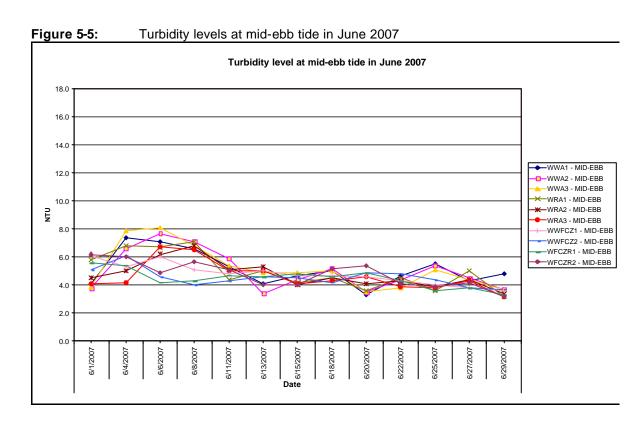
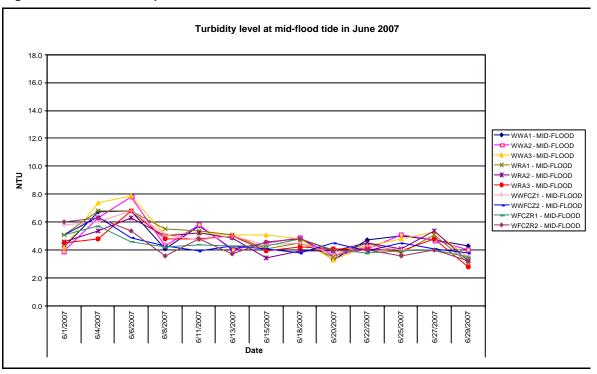


Figure 5-6: Turbidity levels at mid-flood tide in June 2007



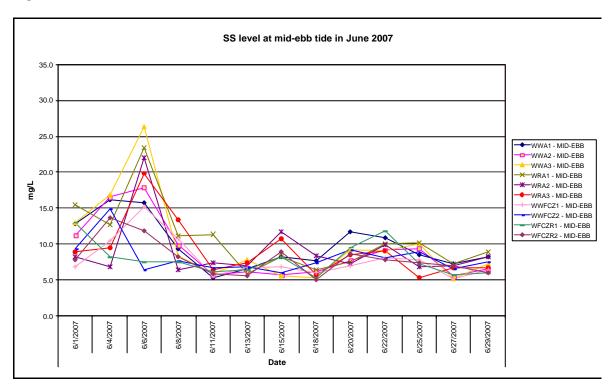
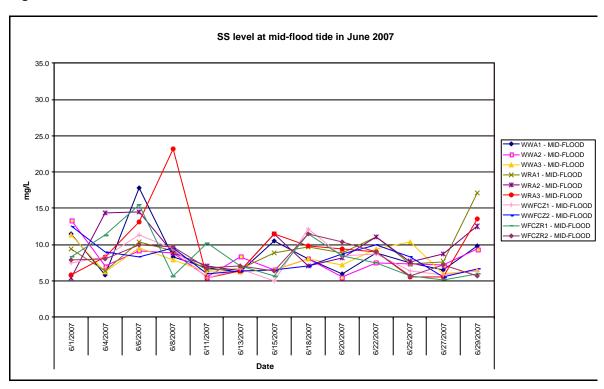


Figure 5-7: SS levels at mid-ebb tide in June 2007





# 6 Site Inspection, Waste Disposal, environmental complaints, environmental licenses and non-compliance records

## 6.1 Site Audit Findings

Four weekly environmental site audits were carried out on 06, 15, 22 and 27 June 2007. The findings of the site audits are summarised in **Table 6-1**.

**Table 6-1:** Findings of weekly environmental site audit in June 2007

| Table 6-1:                 | Tilldings of Weekly en  | vironmentai site audit in                     | Tourie 2007  |                 |  |
|----------------------------|---|---|--|-----------------|--|
| Date of<br>Issue Raised    | Observation   | Advice from EA                                | CT's Response / Action   | Closing Date    |  |
| 06 June 2007<br>(WTLT 071) | observed on the road the waste  |   | Agreed with the ET's advice. CT had removed the waste.                 | 15 June<br>2007 |  |
|                            | 2. Three oil drums were observed without driptrays near Maeda's site office and Slope R1. |   | Agreed with the ET's advice. The oil drums were removed from the site. | 15 June<br>2007 |  |
|                            | 3. Covers for exposed slopes at Seawall A and Slope D were loosened.                      |   | Agreed with the ET's advice. The covers were reinstated.               | 15 June<br>2007 |  |
| 15 June 2007<br>(WTLT 072) | Rainwater was collected on uneven floors, driptrays and construction materials.           | sweep away the rainwater                      | Agreed with the ET's advice. CT had cleared the rainwater.             | 22 June<br>2007 |  |
|                            | C&D waste was observed along Castle Peak Road.  |   | Agreed with the ET's advice. The waste was cleared from the site.      | 11 July<br>2007 |  |
| 22 June 2007<br>(WTLT 073) | General refuse was observed near site office.   | CT was reminded to clear the waste regularly. | Agreed to clear the waste.<br>The waste was cleared<br>from the site   | 11 July<br>2007 |  |
|                            | 2. Road on Seawall A was observed dry and dusty.  |   | Soil and dusty materials   | 27 June<br>2007 |  |
|                            | 3. Oil stain was observed at Castle Peak Road near eastern end of the site.               | CT was reminded to clear the oil stain.       | Agreed with the ET's advice. The oil stain was cleared.                | 27 June<br>2007 |  |
|                            | Oily water was observed within a driptray on the Slope of site office.                    | CT was reminded to clear the oily water.      | Agreed with the ET's advice. The oily water and driptray were removed. | 11 July<br>2007 |  |

| Date of<br>Issue Raised    | Observation  | Advice from EA | CT's Response / Action | Closing Date |
|----------------------------|--|----------------|------------------------|--------------|
| 27 June 2007<br>(WTLT 074) | No new environmental<br>nuisance was<br>observed during site<br>audit. | -              | -                      | -            |

#### 6.2 Waste Disposal

Disposal of waste material in the reporting period generally complied with the corresponding waste disposal requirements. The waste disposal quantity in the reporting period is summarised in **Table 6-2**. CT transported C&D material to Public Filling Reception Facility in Tuen Mun Area 38 by barge and truck during reporting period. The disposal record of C&D materials by barge in June 2007 is attached in **Appendix E**.

**Table 6-2:** Waste disposal quantity in June 2007

| Type of was    | te or material | Disposal at                          | No. of loads or quantities |  |
|----------------|----------------|--------------------------------------|----------------------------|--|
| C&D waste      |                | WENT Landfill                        | 78.34 tonnes               |  |
| C&D material   | By barge       | Public Filling Reception Facility in | 4,637.13 tonnes            |  |
|                | By truck       | Tuen Mun Area 38                     | 1,581.82 tonnes            |  |
| Chemical waste | !              | Collected by licensed collector      | 0                          |  |

#### 6.3 Complaint Record

There was no environmental complaint received in June 2007.

#### 6.4 Exceedance

Exceedances of Tby and SS levels for marine water quality were recorded during reporting period when compared with A/L Levels and baseline check criteria.

Investigation has been conducted for the exceedances. The exceedances were likely attributed to natural variation of marine water.

These exceedances are summarised in **Tables 6-3.** The details of the investigation was summarised in **Appendix F.** 

The details of the silt curtain inspection record were given in **Appendix G**.

**Table 6-3:** Summary of exceedances of marine water quality monitoring (related to construction works of the Project) in June 2007

| Date   |           | Location | Exceedances of monitoring data |                   |                |                    |                   |                |
|--------|-----------|----------|--------------------------------|-------------------|----------------|--------------------|-------------------|----------------|
|        | Tide      |          | Tby (NTU)                      |                   |                | SS (mg/L)          |                   |                |
|        |           |          | Control<br>Station             | Impact<br>Station | Exceedance of  | Control<br>Station | Impact<br>Station | Exceedance of  |
| 04-Jun | Mid-ebb   | WWA1     | 6.8                            | 7.4               | Baseline Check | 12.7               | 16.2              | Baseline Check |
| 04-Jun | Mid-ebb   | WWA2     | 5.0                            | 6.6               | Baseline Check | 6.8                | 16.5              | Baseline Check |
| 04-Jun | Mid-ebb   | WWA3     | 4.2                            | 7.9               | Action Level   | 9.5                | 16.8              | Baseline Check |
| 04-Jun | Mid-ebb   | WWFCZ2   | -                              | -                 | -              | 13.7               | 14.8              | Baseline Check |
| 04-Jun | Mid-flood | WWA3     | 4.8                            | 7.4               | Baseline Check | -                  | -                 | -              |

|        | Tide      | Location | Exceedances of monitoring data |                   |                |                    |                   |                |
|--------|-----------|----------|--------------------------------|-------------------|----------------|--------------------|-------------------|----------------|
| Date   |           |          | Tby (NTU)                      |                   | SS (mg/L)      |                    |                   |                |
|        |           |          | Control<br>Station             | Impact<br>Station | Exceedance of  | Control<br>Station | Impact<br>Station | Exceedance of  |
| 06-Jun | Mid-ebb   | WWA1     | 6.7                            | 7.1               | Baseline Check | -                  | -                 | -              |
| 06-Jun | Mid-ebb   | WWA2     | 6.2                            | 7.7               | Limit Level    | -                  |                   | -              |
| 06-Jun | Mid-ebb   | WWA2     | 6.7                            | 8.1               | Action Level   | 19.8               | 26.3              | Limit Level    |
| 06-Jun | Mid-ebb   | WWFCZ1   | -                              | -                 | -              | 7.5                | 15.2              | Baseline Check |
| 06-Jun | Mid-flood | WWA1     | -                              | -                 | -              | 10.3               | 17.8              | Baseline Check |
| 06-Jun | Mid-flood | WWA2     | 6.3                            | 7.8               | Action Level   | -                  | -                 | -              |
| 06-Jun | Mid-flood | WWA3     | 6.8                            | 7.9               | Baseline Check | -                  | -                 | -              |
| 06-Jun | Mid-flood | WWFCZ1   | 4.6                            | 6.8               | Baseline Check | -                  | -                 | -              |
| 08-Jun | Mid-ebb   | WWA2     | 6.8                            | 7.1               | Limit Level    | -                  | -                 | -              |
| 08-Jun | Mid-ebb   | WWA3     | 6.5                            | 6.8               | Baseline Check | -                  | -                 | -              |

#### 6.5 Notification of Summons and Successful Prosecution

No notification of summons and prosecution was received in June 2007.

#### 6.6 Environmental Licenses

No new environmental licence was granted in the reporting period. A summary of the valid environmental licences is given in **Table 6-4.** 

Table 6-4: Summary of valid environmental licences in June 2007

| Type of Licence                         | Reference No.      | Valid from  | Valid to       |
|---|--------------------|-------------|----------------|
| Environmental Permit                    | EP-219/2005        | 20 Jun 2005 | Not applicable |
| Registration of Chemical Waste Producer | 5111-336-C2869-49  | 16 Feb 2006 | Not applicable |
| Water Discharge Licence                 | EP760/336/011348 I | 31 Mar 2006 | 31 Mar 2011    |
| Construction Noise Permit               | GW-RW 0155-07      | 04 Apr 2007 | 15 Aug 2007    |

## 7 Conclusions

The construction phase of the Project was commenced on 28 February 2006. The EM&A programme has been implemented since then, including marine water quality monitoring and environmental site audits. Noise monitoring at Grand Bay Villa was temporarily suspended as these premises were vacant with no resident.

Exceedances of marine water quality were recorded during reporting period and they were likely attributed to natural variation of marine water.

No complaint, summons or prosecution related to environmental issues was received during the reporting month.

Weekly environmental site audit was carried out during the reporting month. Environmental mitigation measures on air quality, water quality and waste management have been recommended.

C&D materials were transported to PFRF at Tuen Mun Area 38 by barge and truck during the reporting period.

## 8 References

- [1] Mouchel Halcrow Joint Venture. January 2006. Supplementary Agreement No.1 Remaining Project EM&A Manual for Construction of Reclamation West of Tsing Lung Tau.
- [2] Ove Arup & Partners Hong Kong Limited. April 2006. Contract No.HY2005/06 Castle Peak Road Improvement – West of Tsing Lung Tau. Environmental Baseline Monitoring Report for Reclamation Works (EP No. EP-219/2005) (Second Issue)

Appendix A
Construction
programme

--

| GENERAL  |  |  |  |
|--|--|--|--|
| KEY DATES  |  |  |  |
| KD0500 Commencement of Works   | olaricalis   |  |  |
| Ī  | 888 24#2/05 22///E/OB  |  |  |
|  | 490 21/12/05 24/04/07  | Seellon 1. Construction Management   | Confres Completion Dates   |
| KD1110 Portlan A Site Possession   | Τ  |  |  |
| KD1120 Portion B Site Possession   | 0 21/12/05   |  |  |
| KD1130 Portion C&D Site Possession   | 6 27/08/06*  | ◆Portion C&D Sila Postsassion  | American and the state of the s |
|  | 0 21/12/05   |  |  |
|  | 0 24/04/07   | - Sacturi completion   |  |
| П  | 395 25/04/107 23/05/08   |  | Meintenance Period (Section  |
|  |  | Section II - Landscaping Works   | - 4 -  |
|  |  | Sealon II completton   | 100  |
|  | 885 21/12/05 23/05/08  |  | in Establishment   |
| KD1700 Section III completion  | 0 23/05/08   |  | Saction III completion   |
| PRELIMINARIES  |  |  |  |
| P1000 Site establishment & plant mobilization  | 40 21/12/05   05/02/GR   | Site establishment & plant mobilization  |  |
|  | 20/12/05   |  |  |
| Area 4 Construction (Ch2+030 to Ch2+150)   |  |  |  |
| Pre-Bored H-Pile Wall at Both Ends at GI   | · · · · · · · · · · · · · · · · · · ·  |  |  |
| President with the property of the second se | 一次 一次は一条 機能能の対象の指針の事業を   |  |  |
| 4PP0100 Detailed Design of Perm and Term CSD Mode  | 72 02 02 02 02 02  | The state of the s |  |
| Т  |  | Comments of the control of the contr |  |
| Т  |  | - Tormal Cutymission of CSU Proposal   |  |
| Τ  | 20 2907/05 24/08/05  | Checking by Engineer   |  |
| T  |  | Approval of Cau Proposal by Engineer   |  |
| Τ  | 21 Semana Semana   | COLISION OF CHILDREN IN THE COURT OF CHILD IN THE COLISION OF CHILD IN  | AND  |
| T  | T  | A Charles of the County of the |  |
|  | T  | Construction Description   |  |
| Construction - West Side   |  |  |  |
| 4PP1022 Temp Cut / Slape Stabilisatoin (Ch 2030-2100)  | 55 21/08/06   25/10/06   | Merchanister Cut / Slope Stabilisatoln (Ch 2030-2100)  |  |
| 8  |  | Rock Cutting to Road Formation   |  |
| 1  |  | The state of the s |  |
| ADDINED MACE Contain Mail Construction   | 30 31/01/07 12/03/07   | Bot Capping Beam & RC Wall Construction  | raction  |
| T  |  | Mass Concided Well Construct   |  |
| T  |  | September 1 April 1 Ap |  |
| TOVO WAII PROMIS PRIME INSTANTATION  | 40103/03/07   23/04/07   | was the cing Panel Installation  | J.O.I.   |
| 5  | 1  | 200 200 200 200 200 200 200 200 200 200  |  |
| T  |  | Temp Cut / Stope Stabilisation (Ch 2130-2200)  |  |
| -  |  | Excavation to Road Formation   |  |
| T  |  | Annual Professor Halle (30 nos)  |  |
| T  | 30 11/01/07 14/02/07   | Bot Capping Bean & R.C Wall Construction   | <b>E</b>   |
|  | 24 11/01/07 07/02/07   | Mass Concete Wall Construct  |  |
|  | 22 15/02/07 17/03/07   | Sope Refrestatement Works  | THE PROPERTY OF THE PROPERTY O |
| 4PP2120 Wall Facing Panel Installation   | 40 15/02/07 09/04/07   | Transfer Mail Facing Panel Installation  |  |
| Bored Pile Retaining Wall Construction   |  |  | The state of the s |
| yed Pile Construction: 801.23 - 801.33   |  |  |  |
| 4BP3000   Plant Mobilization & Testing   | 212003/06*   21/03/06  | Loant Mobilitation & Testing   |  |
| _  | 3 22/03/06 24/03/06  | Formation of Temposery Working Platform  |  |
| 4BP3020 Initial Setting up for Bored Pile Construction   |  | Unitial Setting up for Bored Pile Construction   |  |
|  | 41 30/03/06 23/05/06   | The first state of the Construction (B01.25)   |  |
|  |  | The second Property (Second Property Second Pr |  |
| 4BP3050 2.5 Dia Bored Pile Construction (801.27)   | 31 30/05/06 06/07/06   | Constitution (BO1.27)  | The state of the s |
|  | 15 08/07/06 25/07/08   | Tariff 25 Dia Bored Pile Construction (B01.26)   |  |
| 48P3070 2.5 Die Bored Pile Construction (801.24)   | 28 19/07/06 18/08/06   | T Barrell 2.5 Dia Borep Pile Construction (B01.24)   |  |
| SELISOS  | The Colombian Co | CS502  |  |
| Historiae carbonae ca |  | Chun Wo Construction & Eng. Co. Ltd<br>Contract No. HY/2005/06   | Revision Legiones  |
|  |  | Casite Peak Road Improvment West of Tsing Lung Tau   |  |
|  |  |  |  |

| Comparison   Com  | Formation of Tempoary Working Platform 31-33   2004/406  | Iformation of Temposary Working Planform 31-33  Ighilial Sexting up for Bored Pila Construction  Ig. 51 ble and Pila Construction  Ext. Up to Bored Pile 501-31  Set Up for Bored Pile 501-31  Set Up for Bored Pile 501-31  Set Up for Bored Pile Construction (801-31)  Set Up for Bored Pile Construction (801-32)  (Formation of Temposary Working Planform 28-30)  Set Up for Bored Pile Construction (801-32)  Set Up for Bored Pile Construction (801-32)  Set Up for Repeat Pile 201-30  Set Up for Repeat Pile 201-30  Set Up for Repeat Pile 801-30  Set Up for Repeat Pile 801-30   |  |
|---|--|--|--|
|   | Initial Satting up for Borned Pile Construction   5 12404,006  |  |  |
| 1   10   10   10   10   10   10   10  | 2.5 Dia Bored Pile Gonstruotion (B01.33)         15 2804/05           5st Up for Bored Pile B01.31         1 190506           2.5 Dia Bored Pile Construction (B01.31)         13 20/05/06           2.5 Dia Bored Pile Construction (B01.32)         14 13/06/06           2.5 Dia Bored Pile Construction (B01.32)         14 13/06/06           2.5 Dia Bored Pile Construction (B01.32)         14 13/06/06           2.5 Dia Bored Pile Construction (B01.32)         1 21/07/06           2.5 Dia Bored Pile Construction (B01.33)         1 12/07/06           2.5 Dia Bored Pile Construction (B01.33)         1 10/07/06           2.5 Dia Bored Pile Construction (B01.33)         1 10/07/06           2.5 Dia Bored Pile Construction (B01.33)         1 00/07/06           2.5 Dia Bored Pile Construction (B01.33)         1 00/07/06           2.5 Dia Bored Pile Construction (B01.33)         1 00/07/06           2.5 Dia Bored Pile Logging Wall Construct (23-33)         40 14/11/06           3.0 Construct (23-34)         2 00/07/07           3.0 Construct (23-34)         3 00/07<  | Set Up to Bored Pile 201.31  Set Up to Bored Pile 201.32  Formation of Temporary Working Platform 28:33  Formation of Temporary Working Platform 28:33  Set Up for Bored Pile 201.30  |  |
| 10   10   10   10   10   10   10   10   | Sat Up for Bored Pile B01.31   11a05506  | friedlen (Bo<br>01.32<br>Dnskuellen<br>Poary Workl<br>Tie Constru<br>ed Pile Bot.<br>ed Pile Cons<br>Bored Pile B  | -  |
|   | 2.5 Dia Bonad Pile Construction (BD1.31)         18 200500           3ct Up for Bored Pile BD1.32         1 1200506           2.5 Dia Bored Pile Construction (BD1.32)         14 136600           2.5 Dia Bored Pile Construction (BD1.29)         13 240500           2.5 Dia Bored Pile Construction (BD1.29)         11 2207106           2.5 Dia Bored Pile Construction (BD1.29)         11 2207106           Set Up for Bored Pile BD1.28         1 04/80206           2.5 Dia Bored Pile Construction (BD1.28)         40 14/11/00           3.0 Construct EB US dainage & watermain         2.2 04/01/07           Onstruct EB US dainage & watermain         2.2 04/01/07           Divertite original road to the EIB         30 04/07           Construct EB US dainage & watermain         1 106/20/7           Construct EB Bore Barrier & Fotpath         30 04/07           Construct EB Bore Barrier & Fotpath         30 04/07           Construct EB Bore Barrier & Fotpath         30 04/02/07      <  | Set Up for Bored Pile Construction (B01.31)  Set Up for Bored Pile Construction (B01.32)  We can be set of Pile Construction (B01.32)  Set Up for Bored Pile Construction (B01.23)  Set Up for Bored Pile Construction (B01.23)  Set Up for Bored Pile B01.30  Set Up for Bored Pile B01.30  Set Up for Bored Pile B01.30  |  |
| 10   10   10   10   10   10   10   10   | Set Up for Bored Pile 201.32   11208056     2.5 Did Bored Pile Construction (801.32)   14108056     2.5 Did Bored Pile Construction (801.32)   13 0660706     2.5 Did Bored Pile Construction (801.23)   13 0660706     2.5 Did Bored Pile Construction (801.23)   13 0660706     2.5 Did Bored Pile Construction (801.23)   14 0408066     3.5 Did Bored Pile Construction (801.23)   15 05400107     3.6 Did Bored Pile Construction (801.23)   15 05400107     3.6 Did Bored Pile Lagging Wall Construct (23.33)   40 14/11/106     3.6 Did Bored Pile Lagging Wall Construct (23.33)   22 04/01/07     3.6 Construct Eiß Uic definese & watermain   30 34/02/07     3.6 Construct Eiß Bud Getainese & watermain   30 34/02/07     3.6 Construct Eiß Bud Getainese & watermain   40 194/02/07     3.6 Construct Eiß Bud Getainese & watermain   40 194/02/07     3.6 Construct Eiß Bud Will Charlese & watermain   40 194/02/07     3.6 Construct Will Uic drailinge & watermain   40 194/02/07     3.6 Did Bored Pile Laying Will Charlese & watermain   22 14/03/07     3.6 Did Bored Pile Laying Will Pile Refer to Refer   | Set Up for Bored Pile B01 32  Leg. S. Dia Bored Pile Construction (B01.32)  Leg. But Dia Growel Pile Construction (B01.29)  Leg. Up for Bored Pile B01.30  Leg. S. Dia Bored Pile B01.30  Leg. Lip for Bored Pile B01.28  Set Up for Bored Pile B01.29  Set Up for Bored Pile B01.29   |  |
| 1.  | 2.5 Dia Bord Pile Construction (BO1.32)         14 1346.06           2.5 Dia Bord Pile Construction (BO1.23)         1 28,000           2.5 Dia Bord Pile Construction (BO1.23)         1 21407/06           2.5 Dia Bord Pile Construction (BO1.23)         1 21407/06           2.5 Dia Bord Pile BO1.28         1 1 22407/06           2.5 Dia Bord Pile BO1.28         1 1 22407/06           2.5 Dia Bord Pile BO1.28         1 1 22407/06           2.5 Dia Bord Pile Construction (BO1.23)         1 1 22407/06           2.5 Dia Bord Pile Construction (BO1.28)         1 1 22407/06           Bord Pile Lagging Walt Construct (23-33)         40 1411/06           Top Capping Beam         2 0 1468/06           Top Capping Beam         2 0 1468/06           Top Capping Panel Installation         40 34/107           Orts Construct EB Us and Installation         40 34/107           Onstruct EB Us definage & watermain         70 23/1006           Divertite original road to the EB         50 10/11/06           Construct EB Ream Barrier & Foopalh         30 24/02/07           Construct EB Ream Barrier & Foopalh         30 24/02/07           Construct Will UG challage & watermain         40 14/20/07           Construct Will UG challage & watermain         40 14/20/07           Construct Will UG challage & watermain   | 2.5 Di Bored Pile Construction (B01.32)  (Formation of Temporary Working Pleatorm 28:30)  (Solid proved Pile Construction (B01.29)  (Solid proved Pile Construction (B01.30)  (Solid proved Pile Construction (B01.30)  (Solid proved Pile B01.28  (Solid proved Pile B01.28)  |  |
| The control of the   | Formation of Temporary Working Platform 28-30   5 28/06/06     2.5 Dia Bared Pile Construction (BO1.29)   13 066/07/06     2.5 Dia Bored Pile 201.30   1 1 204/07/06     2.5 Dia Bored Pile Construction (BO1.30)   1 1 204/07/06     2.5 Dia Bored Pile Construction (BO1.20)   1 1 204/07/06     2.5 Dia Bored Pile Construction (BO1.20)   1 1 204/07/06     2.5 Dia Bored Pile Construction (BO1.20)   1 1 04/08/06     2.5 Dia Bored Pile Construction & Pock Cut   10 04/08/06     2.5 Dia Bored Pile Construction & Pock Cut   10 04/08/06     2.5 Dia Bored Pile Construction & Pock Cut   10 04/08/06     3.5 Dia Bored Pile Construction & Pock Cut   10 04/08/06     4.0 Dia Bored Pile Construction & Pock Cut   10 04/08/06     5.5 Dia Bored Pile Construction & Pock Cut   10 04/07/07     5.5 Dia Bored Pile Construction & Pock Cut   10 04/07/07     5.5 Dia Bored Pile Construction & Pock Cut   10 04/07/07     5.5 Dia Bored Pile Construction & Pock Cut   10 04/07/07     5.5 Dia Bored Pile Construction & Pock Cut   10 04/07/07     5.5 Dia Bored Pile Construction & Pock Williams Laying Wile   10 04/07/07     5.5 Dia Bored Pile Circle Barrier & Surfacing   25 21/03/07     5.5 Singles Laying Wile   10 04/07/07     5.5 Singles Laying Wile   10 04/07/07/07/07/07/07/07/07/07/07/07/07/07/  | Examples of Fampoary Working Platform 28,39,  Example 5 Dia Bored Pile Construction (BD1.29)  Set Up for Bored Pile Do1.30  Example 5 Dia Bored Pile Construction (BD1.30)  Set Up for Bored Pile B01.30  Set Up for Bored Pile B01.30  Set Dia Bored Pile Construction (B01.30)   |  |
| 10   10   10   10   10   10   10   10   | 2.5 Die Bered Pile Construction (B01.29)         13 06407/06           Set Up for Bored Pile B01.30         1 21/07/06           2.5 Die Bered Pile B01.30         1 (22/07/06           Set Up for Bored Pile B01.30         1 (22/07/06           S.5 Die Bered Pile Construction (B01.28)         1 (4/02/06           Z.5 Die Bered Pile Construction (B01.28)         1 (6/02/06           Excavation to Road Formation & Pock Cut         50 (1/08/06           Bored Pile Lagging Walt Construct (23-33)         40 (14/11/06           Top Capping Beam         22 (54/01/07           Versitzet Eige Bared Installation         22 (54/01/07           Ortsstruct Eige Bud Gefarege & watermain         20 (23/10/06           Dienstruct Eiß Bed Kerb, Barrier & Surfachig         35 (10/11/06           Construct Eiß Beam Barrier & Footpath         35 (40/107           Construct Eiß Beam Barrier & Footpath         30 (24/02/07           Construct Will UUG drainage & watermain         49 (15/02/07           Construct Eiß Beam Barrier & Footpath         30 (24/02/07           Construct Will UUG drainage & watermain         48 (15/02/07  | Set Up (or Bored Pile Construction (B01.29)  Set Up (or Bored Pile B01.30  S.2. Die Bored Pile Construction (B01.30)  Set Up for Bored Pile B01.20  Set Up for Bored Pile B01.20   |  |
| Sell 12   Part   Part   12   Part    | Set Up for Bored Pile B01.30   12.50x706   | Set Up for Bored Pile B01.30  Est Up for Bored Pile Construction (B01.30)  Set Up for Bored Pile B01.28  Est Up for Bored Pile B01.28  |  |
| 10   10   10   10   10   10   10   10   | 2.5 Dia Bored Pilo Construction (201.30)         11 (2207706           Set Up for Borod Pile B01.28         1 04/08/06           2.5 Dia Bored Pile Construction (201.28)         16 05/08/06           Excavation to Fload Formation & Rock Cut         60 01/08/06           Bornd Pile Lagging Walt Construct (23-33)         40 14/11/06           Top Capping Beam         22 [04/01/07]           Walf Fachg Panel Installation         40 14/11/06           ONSTICLE ISB US distinge & watermain         70 [23/10/06]           Onstituct ISB US distinge EW         50 [10/11/06           Onstruct EW Ref. Barrier & Footpall         35 [04/07/07           Construct EW Beam Barrier & Footpall         30 [24/02/07           Construct EW Beam Barrier & Footpall         30 [24/02/07           Construct Wife UG challage & weitermain         40 [34/02/07           Construct EW Beam Barrier & Footpall         30 [24/02/07           Construct Wife UG challage & weitermain         40 [34/02/07           Construct Wife UG challage & surface & Surfacell         25 [24/02/07           Construct Wife UG challage & Surfacell         25 [24/02/07 <td>Ext. 5 Dia Bored Pile Construction (B01.20) Set Up for Bored Pile B01.28</td> <td></td>   | Ext. 5 Dia Bored Pile Construction (B01.20) Set Up for Bored Pile B01.28   |  |
| 10   10   10   10   10   10   10   10   | Set Up for Bond Pile B01.28   1   04/08/06     2.5 Dia Bored Pile Construction (801.28)   16   05/08/06     Excavation to Fload Formation & Rock Cut   16   05/08/06     Bond Pile Lagging Walt Construct (23-33)   40   14/11/06     Top Capping Beam   10   14/11/06     Top Capping Paral Installation   40   24/11/06     Top Capping Paral Installation   40   24/11/06     Onstruct ER UAS disfrage & watermain   70   23/10/06     Tim Welermain Ch2020 to Ch2150 (120 m) E/B   56   10/11/06     Onstruct ER Boan Barrier & Surfacing   18   18/11/07     Construct ER Boan Barrier & Footpath   30   24/02/07     Construct Will US drallage & watermain   40   03/02/07     Construct Will US drallage & watermain   25   21/03/07     Construct Will Will US drallage & watermain   25   21/03/07     Construct Will Will Will Will Will Will Will Wil                                  | Set Up for Bored Pile B01.28  THE 2.5 Dis Bored Pile Construction (500,28)   |  |
| 10   12   12   12   12   12   13   13   13  | 2.5 Dia Bored Phe Construction (B01 £03)         16 06708006           P. Excavation to Read Formation & Book Cat.         60 01/08/06           Prof. Capping Well Construct (23-33)         40 14/11/06           Prof. Capping Well Construct (23-33)         40 14/11/06           Porticate Bland Installation         22 04/01/07           Oristruct Bland Installation         40 14/11/06           Donistruct Bland Bld dafinege & watermain         70 23/10/06           Donistruct Bl Bld dafinege & watermain         70 23/10/06           Donistruct Ell Bland Kerb, Barrier& Surfachig         35' 06/01/07           Construct Ell Bland Barrier & Footpalh         1 10,002/07           Construct Ell Bland Barrier & Footpalh         1 10,002/07           Construct Ell Bland Barrier & Footpalh         30 94/02/07           Construct Ell Barrier & Footpalh         40 104/02/07           Construct Will Us draftinge & weitermain         40 104/02/07           Construct Will Ref. Kerb, Barrier & Footpalh         25 21/03/07           Construct Will Ref. Barrier & Surfacing Surfacing         25 21/03/07   | Tall 2,5 Dis Bored Pile Construction (504,28)  | THE PROPERTY OF THE PROPERTY O |
|   | Exercation to Read Formation & Roak Cut.   Confidence  | Corrections and the control of the c |  |
|   | District    |  |  |
| 10   10   10   10   10   10   10   10   | Bornot Pile Lagging Walt Constituct (23.43)   40   14/11/106     Top Capulma Brean   22   04/01/107     Top Capulma Brean   40   30/01/07     Onsituct EPa List of Epa   | EXCAVATION TO HOME FUNDER CUT  |  |
| 10  | Top Capping Bream   22 [3401/07]   Walf Facing Panel Installation   40  30/01/07     Orist Construct Eff Life diameter & watermain   70  23/10/06     Orist Well Facing Eff Capping Eff Construct Eff Ref Keta, Barrier & Surfacting Eff Construct Eff Ref Keta, Barrier & Surfacting Eff Eff Eff Eff Eff Eff Eff Eff Eff Ef   | Management (23-33)   |  |
| March 2   Part   Part  | ONKS COLISITUCION         40] 30/01/07           ONTRINCE ED UKS drafinage & watermain         70] 23/10/06           0 Im Weitermain Ch2030 to Ch2150 (120 m) E/B         50] 10/11/06           10 UNRides Laying E/B         16/01/10/06           10 UNRIdes Laying E/B         16/01/10/06           10 Construct E/B AR Reah, Barrier & Surfacéng         1 08/02/07           10 Construct W/B Beam Barrier & Footpalh         30] 24/02/07           10 UNRIDES Laying W/B         40  54/02/07           10 UNRIDES Laying W/B         48  15/02/07           10 Construct W/B H/C Kerb, Barrier & Surfacing         26  21/03/07   | Top Capaling Beam  |  |
|   | Orixs Construction         70 23/10/06           Construct ER U/3 darkage & watermain         70 23/10/06           0 Im Wetermain Ch2030 to Ch2150 (120 m) E/B S0 10/11/06         50 10/11/06           10 Unitios Laying E/B         35' 04/01/07           Construct E/B Ref Refs, Banler& Surfacting         18 18/01/07           Construct E/B Beam Barrier & Footpal         1 08/02/07           Construct W/B U/G challage & watermain         40 09/02/07           0 Unitios Laying W/B         48 15/02/07           Construct W/B HC Kerb, Barrier& Surfacing         26 21/03/07  | The state of the s | The second secon |
| 10   Charles Lay (19 Charles   19 Charles   | Onsituted EVB U/G defining & watermain         70 is 21/10/06           0 Im Watermain Ch2030 to Ch2150 (120 m) EVB         50 i 10/11/06           0 Uffilice Laying EVB         35' i 04/01/07           Construct EVB Pd Kerb, Barrier& Surfacting         18 i 18/01/07           Divert Ite original road to the EVB         10 i 04/02/07           Construct EVB Boan Barrier & Footpath         30 i 24/02/07           Construct W/B U/G drallage & watermain         40 j 34/02/07           0 Uffilios Laying W/B         48 i 15/00/07           Construct W/B U/C drallage & watermain         48 i 15/00/07           Construct W/B U/C drallage & watermain         48 i 15/00/07   |  | The state of the s |
| 10  | Outside Laying Chief Surface   Construct With Ut details a watermain Chief Surface   Construct Edit Ref. Barrier & Surface     |  |  |
|   | In watermain Circusor to Circusor (Lot Int) pres   35° 1040/1076   | A The Continue of the Continue |  |
| Contract for the feet of the  | Ornstruct EVB Nd Keh, Barrier& Surfacility   35' 10401/07  | Watermain Chaosa to Chaosa (c Chaosa) Erb  |  |
| 10   Control Life (19 Mine)   Control Life (  | Construct EVB Pd Kebb, Barrier& Surfaceling   18   180   107   | BIZE CONTROL C |  |
| Order the sequence in the Barrier of Frequency   19 across   19   | Divert the original road to the E/B   1040/2007  | Construct E/B Rd Kerb, Barder & Surfacing  |  |
| Communication to the control of th  | Construct E/B Beam Barrler & Footpath 30 24/02/07     Construct W/6 Ultilities Laying W/8   48  15/02/07     Construct W/8 Hd Karb, Barrier& Surfacing   26 21/03/07   | Divert the original yeard to the E/B   |  |
| 10  | Construct W/B U/G trainage & watermain   | The Constitut ER Beam Barrier & Footnate   | THE PROPERTY OF THE PROPERTY O |
| 13   Olithic Line   19    | 10         Utilitides Laying W/B         48"   15/02/07           Construct W/B Tel Kerb, Berriers Surfacing         26   21/03/07   | Construct Wilb Life drainers & weight  |  |
| 15   Content Vite Re Frequency   20 (1900 20)   2  | Construct W/B Fic Kerb, Barrier& Surfacing 26 21/03/07   | S.M. Tarley Bright Brig |  |
| Contractivity and making a feet feet feet feet feet feet feet fe  | S S S S S S S S S S S S S S S S S S S  | Constitute Market Market Market Market Market Market Described   |  |
| 10   The Stage of Westerland   10   Control   | Construct W/B Beam Barrier & Footpath 15 payer77   | The state of the s | il and a second  |
| Control Contention   Control Cont  | TTM Stanion Propagation  |  | AND THE PROPERTY OF THE PROPER |
| Construction of Actions   Construction   Construc  | TMI G Moether 1 name of 1  |  |  |
| Constitution(CH145/25 to CR24/000)   Constitution   CH145/25 to CR24/0000   Constitution   CH145/0000   CONSTITUTION   CH145  | DARTHER AND A STATE OF STATE O | Bishow   |  |
| Second Continue of the Continue of Conti  | ייייי ומשמעניה אניינים   | THANKULOBOWOLK POWICE  |  |
| Control May 186   May 187   May 18  | rea 3 Construction(Ch1+825 to Gn2+030)   |  |  |
| 1000   Posterior to National A Comprision   Posterior Decision   Poste  | A Construction   |  |  |
| According to be contained with Early 1990   Description of the contain  | Seawall A construction 268-104/02/06   | The state of the s |  |
| Accordance   Acc  | Notification to Marine Dept. 8 EPD 28107/01/06 03/02/06  | on to Marine Dept. & EPD   |  |
| Proceedings   Proceedings   Proceedings   Procedings   Proceedings   Procedings   Procedings   Procedings   Procedings   Proceedings   Procedings   | 0 Install Sit Curtain  |  |  |
| Contractive Cont  | Dredging / Rockfill 700) 50 nath205  | Dredelhar Pacellin's   |  |
| 200   Prese rock amount of the control of the con  | Place modelliforms   | LOCAL DEPT.  |  |
| 100   Constituct tower PC. Creativing walf (Bay 1-18)   27   2000000   120000000000  | CURPANICA TO THE PROPERTY OF T | Managed Prince (Oct III) (VU)  | A AND THE REPORT OF THE PROPERTY OF THE PROPER |
| Constitution for the control of th  | Change of the second of the se | LICO LOCK STUDENT  |  |
| The Process of Signature   24 (2008)   14/1206   14/12  | ביים ביים ביים ביים ביים ביים ביים ביים  | (914 Aga) Haw Burungar Ou awan Programs  |  |
| Constitution transparence containing wall (flexy 1-17)   Sel 2   160/06/06   147   100/06   147    | THECE LOCALINICALLY  | Pigob Took#II(XX0)   |  |
| 100   Construct Opport N. Estanding Wall (Early 1-17)   Construct May Be for Construct With Use desired Surface   14/1/206   Construct With Use desired Surface   15/1/206    | Complete rock amount   |  |  |
| Vol. Paccalining   State   S  | Constitute upper the retaining wall (tsay 1-17) 64 28/09/06  | Construct upper RC retaining wall (8ay 1-17)   |  |
| Construction   Cons  | Backming 56 1970006  | DUIII) 1986  | AND THE PROPERTY OF THE PROPER |
| Construct Wile Later   15 Shope a ballisation voring   15 Sh  | Works  |  |  |
| 1   | Cut Proposed Slope B, D & E 55 280666  | Propose  |  |
| Value   Constitution   Constitution   Value   Constitution   Constitution   Value   Constitution   Value   Constitution   Value   Constitution   Value   Constitution   Constitution   Value   Constitution   | Fill & Slope stabilisation works 40 16/08/06   | EARGEMENT   Slope stabilisation works  |  |
| Constitut W/R U/G dailings & watermain   Sej Set10006   Constitut W/R U/G draining & watermain   Sej Set10006   Constitut W/R U/G draining & watermain   Sej Set10006   Sej Set10006   Sej Set10006   Sej Set10006   Sej  | rorks Construction   |  |  |
| 10   Construct W/WE had keep, Statisfied   16 20/12/06   14/12/0  | Construct W/B LVG drainage & watermain 56 25/10/06   | Constituct W/B U/G drainage & watermain  |  |
| Extraction   11/12/06   11/12/0  | Construct W/B Rd Kerb, Barrier& Surfacing 18 23/12/06  | Manifection of Manifecture Surfacing   |  |
|   | 1m Watermain CH1825 to Ch2030 (205 m) W/B 35 01/11/06  | EXTRACTION IN WATERWAY CHIESE TO CHARGO (205 m) WIR  |  |
| 14700   Cross Fload Duct Laying WiB   2871206   | GAS PIPE LAYING W/B  | INTERNATION OF THE LAYING WIB  |  |
| 15   15   15   15   15   15   15   15   | Cross Road Duct Laying W/B 32* 18/11/06  | Market Choice Road Ouch Laying Wile  |  |
| Diviet the crightal read to thin W/B  | Utilities Leying W/B 55" 04/01/07  | The second conversion of the second contract  | THE OWNER AND THE PROPERTY OF  |
| 2017205 BREAT PROPERTY OF THE | Divert the original road to the W/B 17/01/07   | W W W W WISH The original road to the WIB  |  |
| 2016de Sanda Construction & Eng. Co. Lkd Construction & Eng. Co. Lkd Construction & Contract No. HY/2005/06 Ti Contract No. HY/2005/06 Castle Peak Road Improvment West of Tsing Lung Tau   | 216.205 grante and an annual and an  |  |  |
| 22/06/19 15/00 Burner Company Company Company Company Company Coastle I   | 2205.08  | Chun Wo Construction & Eng. Co. Ltd  | $\parallel$  |
| Castle Peak Road Improvment West of Tsing Lung Tau  | \$2,080; \$100   | Pantzar NA LIVIDURINE (216806 II   | AND THE PROPERTY OF THE PROPER |
|   |  | Castle Peak Road Improvment West of Tsing Lung Tau   |  |

|  | Construct W/s Beam Barrer & Footpain Construct E/B U/G drainage & watermain DD Utilities Laying E/B  |  |                        |  |                       |  |  | Land the state of  |  |  |                           |
|--|--|--|------------------------|--|-----------------------|--|--|--|--|--|---------------------------|
| Controller   Con   | CO Utilities Laying E/B  |  |                        |  |                       |  | Construct W/B Bear   | Berrier & Footpath   |  | -  |                           |
| Control Este Bank and Annual Control   | Commence of the second |  | 103/0/                 |  | ~ -                   |  | Construct  | U/G drainage & watermatin  |  |  |                           |
|  | Character of the Carty Special States  |  | 1040/                  |  | , ,                   | " -  | The Chillings I  | Rying 5/8  | To the employee to the state of | And the second section of the second section of the second section of the second section of  | -                         |
| A COUNTY CONTRICTORY   COUNTY CONTRICTORY   COUNTY COUNT   | Construct E/B Beam Barrier & Econosth  |  | (04/07                 |  |                       |  | Consecu  | n EJB Ha Kerb, Barriera Sunacing   |  |  |                           |
| Continued to the continued of the continued to the cont   | TTA Stanto Persuation  | T  | 19508                  |  |                       | 7  | i de la compania del compania del compania de la compania del compania del compania de la compania del comp | Control of Foundation  | e et et  |  |                           |
| Constitution (Chita)   Chita   | TMLG Meatinn   | -  | 110/08                 |  |                       | Thurs a March  |  | 10 10  | * * * * * * * * * * * * * * * * * * *  |  |                           |
| Constitution Clear, 1970 DC December   Constitution Cle   | RMO/Readwork Advice  |  | 112/06                 |  |                       | BEHNOROR   | <del>.</del> }   |  |  |  |                           |
| 10   Controlled    |  |  |                        |  |                       |  | -  |  |  |  |                           |
| 100   State Liver   1   State Control   1      |  |  |                        |  |                       |  |  |  |  |  |                           |
| 10   |  |  |                        |  |                       |  |  |  |  |  |                           |
| 100   Principal Control (1994)   100   1   | SCHWII II CARRIDONS  | -  | 7                      |  |                       | Seawell & construction   |  |  |  |  | . John                    |
| 10   | Install of Curain  |  | Ť                      | Il Silt Curtein  |                       |  |  |  |  |  |                           |
| 10   | Dradging / Rockfill (700)  |  | 3/04/06                | Dredging / Rock  | (000)                 |  |  |  |  |  |                           |
| 10   | riace rockin   |  | 205/06                 | Piace  |                       |  |  |  |  |  |                           |
| Comment of the first of the control of the contro   | Place rock amour   |  | 3/05/06                | E. C.  | mour                  |  | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |  | The state of the s |  |                           |
| 1000   | Construct RC retaining wall (Bay 6-12)   |  | 90/60/1                |  | Cons                  | truci RC retaining wall (Bay 6-1   |  |  |  |  |                           |
|  | Descripting  | T  | 90/80/2                |  |                       | acidiling  |  |  |  |  |                           |
| 10.000   Control for the Con   | Compress took assistant Mall (Bay 4.8)   |  | ination.               |  |                       |  | - I  |  |  |  |                           |
| 10   | (a. (a.) 10. A. (b.)   |  | Walley.                |  |                       |  | Bookening .  | (C. Lea) and finance   |  |  |                           |
| Control March   Control Marc   | Complete Resk American   |  | inatos                 |  |                       | West of the second seco | Summer of the Commercial Commerci |  |  | AND THE REAL PROPERTY OF THE PERSON OF THE P | Annual Contraction of the |
| March   Protect   Protec   | Company of the second of the s |  | 0000                   |  |                       |  | month month  | The state of the s |  |  |                           |
| 1  | rks construction   |  |                        |  |                       |  |  |  | - L  |  |                           |
| The contractive of the contrac   | Approval of Tempoary Diversion Scheme  |  | 1/02/06                |  | Approval of Te        | ocary Diversion Scheme   |  | -  |  |  |                           |
| 1000   Communicativity of activities of extensively and a communicative section   1 control of the control of   | 00 (Temporary Diversion of Water Main  |  | 1/09/08                |  | The second            | porary Diversion of Water Main   |  |  |  |  |                           |
| 1902   Care Pot Lappy (1902   February   Care Pot Lappy (1902   Ca   | Construct WB LVG drateage & watermain(Bay 6-12)  |  | 1/10/06                |  | . <b>.</b>            | Construct WB U/G drains  | & watermain(B  |  |  |  |                           |
| 10   | Gas Pipe Laying W/B  |  | 3/10/06                |  |                       | CECGOS Pipe Laying W/B   |  |  |  |  |                           |
| Controlled Section   Control   | Cross Road Duct Laying W/B   |  | V10/08                 |  |                       | ECross Road Duct Laving W  |  |  |  |  |                           |
| 10   Contention that is being the large of   | Unlittles Laying W/B   | -  | 1/12/08                | ***************************************  | A                     | Succession 2011111es [   | gylna W/B  | THE RESERVE THE PROPERTY OF TH | and the second on the second of the second o |  |                           |
| 1   Divertito and product of the Wildle   Divertito and propertito and product of the Wildle   Divertito a   | Construct W/B Rd Kerb, Barrier& Surfacing  |  | 1/11/06                |  |                       | Construct W/B Rd Ker   | b. Barriere, Surfacing   |  |  | ••••   |                           |
| 0 Control VID Bases Elevier & Forgette Bases   | Divert the original road to the W/B  |  | 3/11/DB                |  |                       | Univertities original rate   | to the W/R   |  |  |  |                           |
| 100   The Control of E B bit C   | Construct W/B Beam Barrior & Footboath   |  | 712/08                 |  |                       | Construct  | Beam Barrier & Footbe  |  | ~ ~ .  |  |                           |
| Control Links   Early   Control Links   Carlot   Carl   | Construct E/B U/G drainage & watermain   | •  | 701/07                 |  |                       | Account to the Cons  | ruci E/B U/G drainage &  | Wetermain  |  | · -  |                           |
| 100   Gar Pero Laving Effective   2017/2016   Control L   | 30 1m Watermain Ch2150 to Ch2300 (150 m) E/B   | Ī  | V12/06                 | And the second control and an arrangement of the second of | -                     | Water  | nain Ch2150 to Ch2300 (  | 150 m i  | . The second state of the second seco |  |                           |
| Control Language Early State    | Gas Pipe Laying E/B  | T  | 3712/06                |  |                       | E Gas Pipe La  | fing E/B   |  |  |  |                           |
| 700 Utblists Light of the factors   15 (1901/07)   2600/07   260   | Cross Road Duct Laying E/B   |  | 3/12/06                |  |                       | ECOSS ROS  | Duct Laying Eit  |  |  |  |                           |
| 0 Control to the Residue Sundaring 1 (2 control 2 control 2 control 2 control 1 control 2 control 2 control 1 control 2 cont   | 00 Unities Laying E/B  |  | 7/01/07                |  |                       | III THE REPORT OF THE PERSON O | les Laying E/B   |  |  |  |                           |
| Divided into Orginal road to the Eight   12,001/07   2501/07       | Construct E/B Rd Kerb , Barrier& Surfacing   |  | 1/01/07                |  |                       | S  | Struct E/B Rd Kerb , Ban   | ler& Surfacing   |  |  |                           |
| 10   Constitut England Barrier & Frogerith   15   2011/07   2010/07   2011/06   2011/200   2011/    | Divert the original road to the E/B  |  | 7/01/07                |  |                       | 5  | ert the original road to the   | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |  |  |                           |
| 1   1201006   221/206   1   221/206   221/206   1   221/206   221/206   1   221/206   221/206   1   221/206   221/206   1   221/206   221/206   1   221/206   221/206   1   221/206   221/206   1   221/206   221/206   1   221/206   221/206   1   221/206   221/206   1   221/206   221/206   1   221/206   1   221/206   221/206   1   221/206   1   221/206   1   221/206   1   221/206   1   221/206   1   221/206   1   221/206      | Construct E/B Beam Berrier & Footpath  |  | 701,107                |  |                       |  | nstruct E/B Beam Barrie  | r & Footpath   |  |  |                           |
| 1  | TTM Staging Preparation  |  | 1/12/06                |  |                       | Interest Interest  | Dreparation  | -  |  | ,  |                           |
| 17/100   Construct Wile Use demand library 1-59   22   1200/2007   07/100   | TMLG Meetino   |  | 1/2/08                 |  |                       | - STATE OF THE STA | 2  |  | w -  |  |                           |
| 150   Construct VFB UG draining & watermain(Bay 1-5)   13   Lobol VFD   14   Lobol VFD   14   Lobol VFD   14   Lobol VFD   15   Lobol VFD      | RMO/Roadwork Advico  |  | 3/0//07                |  |                       | - CARRIED  | _ 2  |  |  |  |                           |
| 130   Constituct Will B fol kfath, Banfard Surfacing(B1-5)   13   Gu0drof 2200407      | 00 Construct WB LVG drainage & watermale/Bay 1-51  |  | 7/04/07                |  |                       |  |  | R III Healpade & welsemaln Bay   | And the state of the tart to the state of th |  |                           |
| 130   Unified Laying for B1-5   130   Outlook   130   Outloo   | Conduct With Rd Kerb Barrier Surfacient 91-51  |  | 100001                 |  |                       | J- 18 .  | Concil   | A 100 DA Koch Berriot Culture  |  |  |                           |
| Construct W/M Brand Burnier & Foothpath(B1-5)   5  1940-707   24/04-407   5  1940-707   24/04-407   5  1940-707   24/04-407   5  1940-707   24/04-407   5  1940-707   24/04-607   5  1940-707   24/04-607   1970-806   197   | Thirties I suite for Dt. R   |  | 20407                  |  |                       | JE .F  |  | CLYND ON NOID, DWITTER & SUCHECTING  |  |  |                           |
| Construct Intel & outlete   Construct Office section construction (Seaside CPR)   120 (200207)   1500207   | Construct WA Bosm Revier & Earthwest 21  |  | 10400                  |  |                       |  |  | Company of the Compan |  |  |                           |
| Construct Mile cartiagenery Portion   120   260c0207   1502007   1502070     |  |  | AUCHO!                 |  |                       |  | THE COLUMN   | huadinoo lo annec issac ciki id  |  |  |                           |
| Construction (Seaside - CPR)   120/2800605   191/106   191/2800605   191/106   191/2800605   191/2800   191/   | ALL EA & ES CONSTRUCTION   |  |                        |  |                       |  |  |  |  |  |                           |
| Construct Intel & outlets  | Lower section construction (Seaside - CPR)   |  | 9/11/06                |  |                       | <u>6</u> _   | truction (Seasids - CPR)   |  |  |  |                           |
| Construct cascade & pipes   16/11/06   16/11/06   16/11/06   16/11/06   16/11/06   16/11/06   16/11/06   16/11/06   16/11/07   16/   | Construct Inlet & outlets  |  | 5/09/06                |  |                       | onstruct inlet & outlets   |  |  | gar gar<br>No. Son   |  |                           |
| Upper section pipe construction (Remarking)  | Construct cascades & pipes   |  | 6/11/08                |  |                       | Ą.   | & pipes  |  |  |  | • •                       |
| Pipe Construction (At Cardageweay Portion)   3  18/01/07   16/02   | Upper section place construction (Remaining)   |  | 5/08/07                |  |                       | 其.   | Upper section pipe   | construction (Remaining)   | and limit  |  |                           |
| 1 Construction (Cft1+500 to Ch1+705)  2  | Pipe Construction (At Carriageway Portion)   |  | 5/03/07                |  |                       |  | Pipe Construction  | At Carriageway Portion)  |  |  |                           |
| 0 W/B. Clear existing road surface   12 (3002/07) 16/02/07   16    |  |  |                        |  |                       |  | -  | The state of the s |  |  |                           |
| Construct W/B carriageway road surfacing 6   17/02/07   01/03/07   | W/B: Cear existen road surface   |  | 2010002                |  |                       |  | I  | o entition   |  |  |                           |
| 21/1265 RECORD TO SERVICE STATE OF THE PROPERTY OF THE PROPERT | Construct W/B carriageway road surfacing   |  | 1/03/07                |  |                       |  | Faconstruct WiB carr   | aneway road surfacing  |  |  |                           |
| 21/2056 SEASON SEASON SEAVES CANDEN CONSTRUCTION & Eng. Co. Ltd Construction & Eng. Construction & Eng. Co. Ltd Construction & Eng. Co. Ltd Construction & Eng. Constructi | The state of the s |  |                        | ***************************************  |                       |  |  |  |  |  |                           |
| 22708/16 15.00 Miles State Cates Activity Cates of Tsing Lung Tau   |  | The second secon | ENTERNA Earl 6a        | CSDZ   | Chup Wo Cook          | taidion & Erry Co. 14d   | Sheet 3 of 5   | 0216   | Revision   | Checkool   | Asserved                  |
| Castle Peak Roed Improvment West of Tsing Lung Tau   |  |  | Progress<br>Critical A |  |                       |  | ion  | 90,  |  |  |                           |
| DELL'INTERIOR INTERIOR INTERIO |  |  | CACCI                  |  | Contract              | I No. HY/2005/06   | NI   | 1  |  |  |                           |
|  |  |  |                        |  | Castle Peak Hoad Impr | OVERHAFE WEST OF USING LUNG 18   | _  | -  |  |  |                           |

| Mary 1850   Control Edit analysing year services   19 (200207)   19 (2   | Executive to the section of the sect |
|--|--|
| THIS SIGNING Presentation   1700000000000000000000000000000000000  | Machine Propagation   Machine Period Surfacing   Machine Propagation   Machine Period Surfacing   Ma   |
| TML Shelphy Papentinon   10 Gatorino   24010707   2401070   2401   | This Stagling Proparention  That Ca Meeting  That Ca Meeting  The Carter of auction, 1 lane odd surface, 1 lane of s |
| CONTIST LIGHT CHILD CHILD SAN DIES   | Thing hiseling  Thing hiseling  Thing hiseling  The districtor, I lend  The di |
| Constitution (CONTACTION CONTACTION CONTINUED   CONTINUED CONTIN   | With Months advice in the first and surface, I lane and surface, I |
| Vivil Control (VID Cartifaction and strates)   19 (214/1006)   | od surface, I tane rigovery to and authoring, I lahe rigovery to authoring, I lahe rigovery road surfach, I lane cotating road surfach, I lane lane cotating road surfach, I lane cotating road surfach, I lane lane cotating road surfach, I lane cot |
| Wilt. Educa widely one structure, VIR carrier graves are fine a construct graves are fined to a traverage fine a construct graves are fined to a traverage fine a construct graves are fined to a traverage fine a construct graves are fined to a traverage fine a construct graves are fined to a traverage fine a construct graves are fined to a traverage fine a construct graves are fined to a traverage fine a construct graves are fined to a traverage fine a construct graves are fined to a traverage fine a construct graves are fined for a fine and a control of the    | rigoway road aurleging. I line rigoway road surfacing. I line rigoway road surfacing. I line fight and surface, I line chasting road surface, I line chasting road surface, I line chasting road surface, I line right in the line surface, I line redrighted road to the new line  85 (25 m) E/B  85 (25 m) W/B  85 (25 m) W/B  Fight Illittics Loying W/B  11 was a surfacing.   |
| Constitute title carried by most strates, it laws   5  221/106   17/11/205     | Triggeway road surfacing, 1 one Trigger and surfacing, 1 lane Goard goard surfacing, 1 lane Goard goard surfacing, 1 lane CEB carriageway road surfacing, 1 lane of EB carriageway road surfacing, 1 lane of EB carriageway road surfacing, 1 lane original road to the new lane condition to the new lane configuration to the new lane configu |
| Donatine to a confidence of the confidence of    | Trigad to the new lane filting road surface, 1 lane editoring away road surfacing, 1 lane editoring road surface, 1 lane clear existing road surfacing, 1 lane clear existing road surfacing, 1 lane clear existing road surfacing, 1 lane continue (EIB carriageway road surfacing, 1 lane by the continue road to the new lane editoring road surfacing, 1 lane editoring road surfacing, 1 lane lane editoring road surfacing, 1 lane editoring road surfacing, 1 lane lane editoring road surfacing, 1 lane |
| Conclusion Use an existing protection of a control of control of the control of contro   | Egantiagness van surhachg, I land  Egantiagness van surhachg, I land  Goartiagness van surhachg, I land  Chairtiagness van surhachg, I land  of Ell carriagness van de aurifachg, I land  of ear phishig road surfach, I land  of chind road to the new lane  E. (will be the new land  of chind road to the new land  eds (25 in) E/B  E. (will be the land of the new land  of the land of the new land of the new land  of the land of the new land of the new land  of the land of the new land of the new land  of the land of the new land of the new land  of the land of the new land  |
| EBR: Clear celeting panel seringering years attending. I since 1   EBR: Clear celeting panel seringering years attending. I since 1   EBR: Clear celeting panel seringering years attending. I since 1   EBR: Clear celeting panel seringering. I since 1   EBR: Clear celeting panel sering panel seringering. I since 1   EBR: Clear celeting panel sering panel seringering. I since 1   EBR: Clear celeting panel sering panel seringering. I since 1   EBR: Clear celeting panel sering panel seringering. I since 1   EBR: Clear celeting panel sering panel sering panel sering panel sering panel seringering. I since 1   EBR: Clear celeting panel sering pan   | Boarrignewsy road surbacing, 1 lane codating road surbacing, 1 lane clear existing road surfacing, 1 lane clear existing road surfacing, 1 lane anstruct EtB certisgenesy road surfacing, 1 lane conginal road to the new lane ecryptal road to the new lane in the conginal road of the new lane ecryptal road surfacing, 1 lane ec |
| Conclused Biol carringsmay road standards, later   12 2211/1006   1911/2006    | codating road surface, I lang  A EB carrisgway road surfacing, I sand  A surface tells carrisgway road surfacing, I sand  A surface tells carrisgway road surfacing, I sand  A surface tells carrisgway road surfacing, I sand  B continual road to the new lane  B continual road to  |
| Constituct Elle authorized surface, 1 lane   12   21/2006   19/2006   19/2006   19/2006   19/2006   19/2006   19/2006   19/2007   19/2006   19/2   | of EB cartrisgeway road surfacing, it lane instruct EIB cartrisgeway road surfacing, I lane instruct EIB cartrisgeway road surfacing, I lane fortiginal road to the new lane  be of the instruction of the new lane  Best (24 m) EIB  EMBASSEREULII LINES Laning EIB  BEST (24 m) WIB  Instruction of the land land land land land land land land  |
| Constitut Ed antilegement students, Lane   612017005   19171005    | celear existing road quirtace, lens onstruct EtB carriagaway road surfacing, 1 lans continal road to the new lans E,Was E,Was EBS (25 m) W/B IN wellquinds, but was the surfacing to the wasternament of the w |
| Consistration of Control of Con   | ordiginal road to the new fune  Condition to the |
| Third State      | e original road to the new lane edge (25 in) Errs E, Was E |
| Third A Macing   Thir   | the critifinal road to the new lane  825 (25 m) EIB  825 (25 m) WIB  825 (25 m) WIB  11 Washington to saying EIB  11 Washington to saying EIB  12 Washington to saying EIB  13 Washington to saying EIB  |
| INCOTROBACHA Advice  | es (cs. fr.) Ers Estatemental life to Laying Erg Best (cs. fr.) Wis Best (cs. fr.) Wis Intervental, both of Wish Intervental card card card card card card card card   |
| With Excavation & demolish oxiding code surface   12 (10,406°   17,0006      | ESS (24 m) EIR ELWIS ELW |
| With Executation & Constitute (Unit E-Y(1)5 (1.0 C) (1.1432.2)   Constitute (Unit Executation & Constitute) (Unit Executation & Constitute (Unit Executation & Constitute)    | PSS (22 m) EIR EVENTATION OF THE PROPERTY OF T |
| Wile Excuration & denotion to Chiefs of Suitobook  | PSS (24 m) E/IB E/WIRE  |
| The Watermain Connection to Crist25 (25 m) PB   80 (25.05)06   28/06/06   Cross Road fout Laying E.Wit   2 (27.05)07   Cross Road fout Laying E.Wit   Cross Road fout Road fo   | 25 (25 m) BB Equations Laying UB Equations Laying WB In well printed to the company of the compa |
| Cross Rada Duct Laying E.With Early Cross Cros   | E, (Wis a parameter parame |
| Utilibe Laying EHB   | Parameters (1) in the carbon graph of the carb |
| This Watermain Connection to Critical (14) (6602007)   Taylogo     | egg (25 m) W/B  BB Unitities Loying W/B In watermain, etc  In Barries & Loyal autracing  |
| Unified Laying WIS   | In watermain, etc.  The Watermain of the Comment of |
| Constinct WMB_ENERGY_Barrier_Are and surface   115 000 05006   Constinct WMB_ENERGY_Barrier_Are and surface   12 100 0500   Constinct WMB_ENERGY_Barrier_Are and surface   12 177 0500   147 100 05  | In watermain, etc.   |
| Divertite original road formstands surfaced   14/10/06   14/10/0   | th Barrier Euroad surfacing  |
| Constitute Signature and Service   Constitute Signature   Constitu   |  |
| Slip Rci Excav & demoish exist and surface   12 1710066   31/100   | 10 one new load (E.Wick)   |
| Stip Rd: UKG crainage & utilities   Res   10111/166   1000/2077   1070/2077    | CO DESTINATION OF THE PROPERTY |
| Construct Silp Rd surfacing work   18 GB/02/07   07/03/03/07   07/03/07   07/03/07   07/03/07   07/03/07   07/03/07   07/03/07   07/03/03/07   07/03/03/07   07/03/03/07   07/03/03/03/03/03/03/03/03/03/03/03/03/03/  | WESTERN STATE AND THE PARTY OF  |
| Construction of Car Park   | Residentatives Sip Ret surfacing work  |
| TTM Staging Preparation   15 zeroBro6   12/09/06   12/09/06   14   | of Car Park  |
| TMLC Meding  |  |
| Throughand trained   10   14/08/05   25/09   |  |
| 7.0  12.04.07  12.04.07  12.04.07  12.04.07  12.04.07  12.04.07  12.04.07  12.04.07  12.04.07  10.01.13.04.06  10.01.006  10.01.006  10.01.006  10.01.006  10.01.006   |  |
| dial Work 6SW-D/C170         FP   3001/07         1204/07         Better SW-D/C170           Remodal works to Stope No. 63W-D/FR266         107   0804/06         31/10/06         Better SW-D/SW-D/FR266           Glal Work 6SW-D/FR89         100   13/06/06         10/10/06         Better SW-D/SW-D/FR89           Famedal works to Stope No. 63W-D/FR89         100   13/06/06         10/10/06         Better SW-D/FR89           Famedal works to Stope No. 63W-D/FR89         80   16/10/06         22/01/07   |  |
| Pennodial works to Slope No. 65W-D/FR266   107   1204/   |  |
| dial Work GSW-D/FR286         167   06/04/08         31/10/06         B-4000000000000000000000000000000000000  | SESSIVER SESSIVE MONTHS to Stope No. 65W-D/C170  |
| Homodal works to Stope No. 65W-DFR26   107"   06/04/06   31/10/06   Beforessering sering representations of 101   World GSW-DFR39   100"   13/06/06   10/10/06   Beforessering sering representations of 107   13/06/06   10/10/06   Beforessering sering representations of 10/10/06   Beforessering    |  |
| Clia1 Work 6SW-D/F89         100' 13/05/06         10/10/06         Exerconstructions           Clia1 Work 6SW-D/FR83         80'16/10/06         22/01/07   | Stope No. 6SW-DFR286   |
| Alan Work 6SW-D/FR63         100*13/05/06         10/10/06         ESSONDMENTAL PROPERTY           Alan Work 6SW-D/FR63         80*16/10/06         22/01/07   |  |
| Clia1 Work 6SW-D/FR83   80*1 fe/10/06   22/01/07   Remadial works to Stope No. 6SW-D/FR83   80*1 fe/10/06   22/01/07   | e No. 65/W-D/P89   |
| Remedial works to Skope No. 65W-DFR83 80* 16/10/06   22/01/07  |  |
|  | ISPACE PROFILE TO BE A CONTROLLED TO STOP OF THE STATE OF |
| dial Work 6SW-D/F82  |  |
| SW5500 Hamedial works to Sopo No. 65W-DF82 120*150e.06 106/11/09 1 | o Slope No. 65W-DIF82  |
| dial Work 65W-DVR1   |  |
| 1 02/04/07   | <u> PENTANDENDENDENDENDENDENDENDENDENDENDENDENDEN</u>  |
| n II - Landscaping Works   |  |
| VLVY NUU 1166 Pantiplant 200,0002/08 06/10/06 Reconstruction of the Transplant on Landscholm Work  | The state of the s |
|  | The second secon |
| An Date CSD2 Chur Win Construction & Enn. Co. Ltd.   | Shed 4 of 5<br>Date Raylason Chicket Armenda   |
| 22/00/M 15/20  | 0209060  |
|  |  |

| Finish FEBL MAR JAPA MAN STON JOL ANG LEEP OCT INOV. I DEC. JAM LEEP INAV. JUN JUL SEP OCT INOV. I DEC. JAM LEEP INAV. JUN JUL SEP OCT INOV. I DEC. JAM LEEP INAV. JUN JUL SEP OCT INOV. I DEC. JAM LEEP INAV. JUN JUL JUL SEP OCT INOV. I DEC. JAM LEEP INAV. JUN JUL JUL SEP OCT INOV. JUN JUL SEP OCT INOV. J |  | Shoels of Shoels |
|--|--|--|
| MANIERINE AND SEPTION OF THE SEPTION |  | Chun Wo Construction & Eng. Co. Ltd Contract No. HY/2005/06 Castle Peak Road Improvment West of Tsing Lung Tau CSD Works Pronzerme Rev 1   |
| Dir Slart Firing FEB MAR LAPR   APR   APR  |  | 21/12/05 Episégépeserententententententententententententente  |
| Activity Section III - Establishment Period EP1000 Establishment works   |  | Stern Davis 21/12/05 Episterise Privato Privat |



Appendix B
Monitoring schedule for
June 2007 and July
2007



# Environmental Monitoring and Audit Schedule - June 2007

Note 1: L30 denotes Legizo min) monitoring
Note 2: TSP denotes Total Suspended Particulate monitoring
Note 3: MV denotes marine water monitoring
Note 4: L&V denotes Landscape and Visual audit and monitori

L&V denotes Landscape and Visual audit and monitoring

|        |        |         | Jun-2007        |          |                 |          |
|--------|--------|---------|-----------------|----------|-----------------|----------|
| Sunday | Monday | Tuesday |                 | Thursday | Friday          | Saturday |
|        |        |         |                 |          | -               | 2        |
|        |        |         |                 |          |                 |          |
|        |        |         |                 |          | 21.00           |          |
|        |        |         |                 |          | MW              |          |
| 8      | 4      | 5       | 9               | 1        | 8               | 6        |
|        | ]      |         | Site Inspection | •        |                 |          |
|        |        |         |                 |          |                 |          |
|        | WM     |         | MW              |          | MW              |          |
| 10     | 1      | 12      | 13              | 14       | 15              | 16       |
|        |        |         |                 |          | Site inspection |          |
|        |        |         |                 |          |                 |          |
|        | MM     |         | MW              |          | MW              |          |
| 2.3    | 18     | 19      | 20              | 21       | 22              | 23       |
|        |        |         |                 |          | Site Inspection |          |
|        |        |         |                 |          |                 | -        |
| ***    | MM     |         | MVV             |          | MW              |          |
| 24     | 25     | 26      | 22              | 28       | 29              | 30       |
|        |        |         | Site Inspection | _        |                 |          |
|        |        |         |                 |          |                 |          |
|        | MM     | -       | MM              |          | MW              |          |
|        |        |         |                 |          |                 |          |

# Tentative Environmental Monitoring and Audit Schedule - July 2007

Note 1: L30 denotes Legist mini monitoring Note 2: TSP denotes Total Suspended Particulate monitoring

MV denotes marine water monitoring Note 3:

L&V denotes Landscape and Visual audit and monitoring Note 4:

|           |        |         | Jul-2007        |          |        |          |
|-----------|--------|---------|-----------------|----------|--------|----------|
| Sunday    | Monday | Tuesday | Wednesday       | Thursday | Friday | Saturday |
|           | 2      | 3       | 4               | 5        | 9      | 2        |
|           |        |         | Site Inspection | i        |        |          |
|           |        |         |                 |          |        |          |
|           |        | MW      |                 | MW       | ,      | MW       |
| <u>.8</u> | 6      | 10      | 11              | 12       | 13     | 14       |
|           |        |         | ore inspection  |          |        |          |
|           |        |         |                 |          |        |          |
|           | MW     |         | MW              |          | MW     |          |
| c .       | 16     | 11      | <u>\$</u>       | 19       | 20     | 21       |
|           |        |         | Site Inspection |          |        |          |
|           |        |         |                 |          |        |          |
|           | MW     |         | MW              |          | MW     |          |
| .22       | [23]   | 24      | 25              | 26       | 27     | 28       |
|           |        |         | Site Inspection |          |        |          |
|           |        |         |                 |          |        | -        |
|           | MW     |         | MW              |          | MW     |          |
| 29        | 30     | 31      |                 |          |        |          |
|           |        |         |                 |          |        |          |
|           |        |         |                 |          |        |          |
|           | MW     |         |                 |          |        |          |

Appendix C
Calibration certificates of marine water monitoring equipment

15:41 #722 P.02/26



西海牛鹿力员渔局 **Productivity Council** Hong Kong

Environmental Management Division

## CALIBRATION REPORT

: OVE ARUP & PARTNERS H.K. LTD. : Level 5 Festival Walk, 80 Tat Chee Avenuc. Client Address

: CR 000078 : 1 of 5 : 24/04/2007

Report No. Page No. Issue Date

Kowlean Tong. Kowloon. Received Date: 18/04/2007
Approved Signatory: Fung Kam Wing
Remarks:

: 24/04/2007 Completion Date

Calibration Results:

Hem

: YSI Model 85-10 FT Handheld Salinity, Conductivity & Temperature Instrument

99 G0526 AB Serial No.

Calibration Method : APHA 18c 2520 A & B

Date of Callbration : 24/04/2007

Results:

Sallnlty

Recorded Reading 7.2 14.7 33.4 37.6 Expected Reading 7.4 15 35 39.3 Approval Signatory:

15T P.O. Box 89027 Hong Kong v HKTC Building, 18 Tat Chee Avenue, Kowloon, Hong Kong Tel: (852) 2788 5678 \* Fax: (852) 2784 5900 \* Teleci 32842 HKPC HX 春街的沙阳器政格略99027 獎 \* 春港入館建立 对78繁生是力大福

Hang Kang Haad Office

Approval Signatory:

Hong Kong

Productivity Council

#722 P.03/06

15141

2007-04-24

+852 2259 3950

Ď

FROM ! HKPC/EMD

南诺东南七凤淮南

Environmental Management Division

## CALIBRATION REPORT

: OVE ARUP & PARTNERS H.K. LTD. : Level 5 Festival Walk, 80 Tat Chee Avenuc, Client Address

: CR 000078 : 2 of 5 : 24/04/2007

Report No. Page No. Issue Date

Kowloon Tong,

: 24/04/2007 Completion Date

Kowloon.

necewed Date : 18/04/2007 Approved Signatory : Fung Kam Wing Remarks

### Calibration Results:

: YSI Model 85-10 FT Handheld Salinity, Conductivity & Temperature Instrument <u>F</u>ea

99 G0526 AB Serial No. : In house method Calibration Method

Date of Calibration : 24/04/2007

Results:

Temperature

| Recorded Reading (C)  | 11.3 | 20.8 | 31.0 | 41,3 |
|-----------------------|------|------|------|------|
| Expected Reading (°C) | 10.0 | 20.0 | 30.0 | 40.0 |

Hong Kong Habd Office 食物故語

15T P.G. Ber 19027 Hong Kong • HKPC Building, TB Tat Chee Avenue, Kowloon, Hong Kong Tel: (852) 1788 5678 • Fat: (852) 2788 5900 • Telem, 32Ar2 HKPC HX 春港公沙區部区信箱99027號 • 卷港九縣原之路78號生港力火條



Environmental Management Division

## CALIBRATION REPORT

: OVE ARUP & PARTNERS H.K. LTD. : Level 5 Festival Walk, 80 Tat Chee Avenue, Client

Kowloon Tong,

Kowloon.

Received Date : 18/04/2007
Approved Signatory : Fung Kam Wing
Remarks

: CR 000078 : 3 of 5 : 24/04/2007 Report No. Page No. Issue Date

: 24/04/2007 Completion Date

Calibration Results:

: YSI Model 85-10 FT Handheld Salinity, Conductivity & Temperature Instrument

99 G0526 AB Serial No.

HeH He

Calibration Method : APHA 18c 4500-OA, B, C&D

Date of Calibration : 24/04/2007

Results:

Dissolved Oxygen

Recorded Reading (mg/L) 2,48 4,96 6,72 7,65 8,68 Expected Reading mgT 2,35 4,40 7,40 7,40 8,50 Approval Signatory:

Approval Signatory:

TST P.O. Bow 99027 Hong Kong » HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong Tal: (952) 2788 6678 « Fax: (952) 2788 5900 » Telex: 32642 HKPC HX 春港央沙區醫政権辖99027號。會港沙廳建25878年於一座沙夫衛 Hong Korry Head Diffes 衛衛基間

香港生產力促進局 Productivity Council Hong Kong

Environmental Management Division

## CALIBRATION REPORT

: OVE ARUP & PARTNERS H.K. LTD. : Level 5 Festival Walk, Address

80 Tat Chee Avenue, Kowloon Tong,

: 4 of 5 : 24/04/2007 : CR 000078

Page No. Issue Date Report No.

Completion Date

Kowloon,

: 24/04/2007

Received Date : 18/04/2007 Approved Signatory : Fung Kam Wing Remarks :

### Calibration Results:

: HACH 2100P Turbidimeter . mey

011100024354 Serial No.

Calibration Method : APHA 18e 2130 B

Date of Calibration : 19/04/2007

Results:

Turbidity

| Recorded Reading       | 0.17 | 1.91 | 3,99 | 15.1 | 38.1 | . 77.5 |
|------------------------|------|------|------|------|------|--------|
| Expected Reading (NTU) | 0    | 2    | 4 ;  | 91   | 40   | 08     |

Hang Kang Haad Office 香用質的

TST R.O. Box 89027 Hong Kong » HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong Tel:(852) 2788 5578 » Fax (852) 2748 5900 » Telext 32847 HKPC IXX 单路尖沙阳斯西语第90027键。●游池路梁之1878年为大株

2007, 04-24 15:41 #722 P.05/05



香港生產力促進局 Productivity Council Hong Kong

Environmental Management Division

## CALIBRATION REPORT

Client : OVE ARUP & PARINERS H.K. LTD.
Address : Level 5 Festival Walk,
80 Tet Cher Avenue, Kowloon Tong, Kowloon.

: CR 000078 : 5 of 5 : 24/04/2007

Report No. Page No. Issue Date

Received Date : 18/04/2007 Approved Signatory : Fung Kam Wing Remarks

Completion Date : 24/04/2007

Calibration Results:

: HANNA instrument HI 98128 membrane pH meter

: \$332747 Serial No.

Calibration Method : In house method

Date of Calibration : 18/04/2007

Results:

Recorded Reading (pH unit) 3.98 7.00 10.01 Expected Reading (pH unit) 7.00 7.00 10.0

Approval Signatory;

TST P.G. Box 99027 Hong Kong + HKPC Building, 78 Tat Ches Avenue, Kowloon, Heng Kong Tet (ets) 2788 9578 • Far: (652) 2730 5906 • Teters 32847 HKPC 4X 都洛安沙矶歐亚德第90027数 • 拳治九魔建之路78繁生著力米蒂

Hong Kong Head Office 新浴草的



Appendix D

Marine water quality
monitoring results



|     |          |          |           |               |       |                    |       |          |          |                   | 90.%       | DO.%       |          |               |            |            | NYU,     | l           | SS,      |
|-----|----------|----------|-----------|---------------|-------|--------------------|-------|----------|----------|-------------------|------------|------------|----------|---------------|------------|------------|----------|-------------|----------|
| Lab |          |          |           | ,             |       | Water              | Temp. | DO, mg/L | DO, mg/L |                   | saturation | saturation | ļ        | l .           | Turbidity. | Turbidity. | Averaged | Suspended   | Averaged |
| ID  | Location | Position | Tide      | Sampling Date | Time  | depth, m           | °C    | (1)      | (2)      | DO, Average value | (1)        | (2)        | pH, Unit | Salinity, ppt | NTU (1)    | NTU (2)    | Value    | Solid, mg/L | Value    |
| 1   | WWA1     | S        | MID-EBB   | 1-Jun-07      |       |                    | 30.1  | 6.76     | 6.61     |                   | 107.2      | 106.6      | 7.9      | 17.8          | 4.4        | 4.5        |          | 11.0        |          |
| 2   | WWA1     | M        | MID-EBB   | 1-Jun-07      | 9:25  | 7.10               | 29.9  | 6.81     | 6.77     | 6.74              | 103.1      | 102.6      | 7,9      | 17.9          | 4.0        | 4.1        |          | 16.5        |          |
| 3   | WWA1     | В        | MID-EBB   | 1-Jun-07      |       |                    | 29.6  | 6.93     | 6.88     | 6.91              | 102.8      | 102.0      | 7.9      | 17.9          | 3.9        | 3.9        | 4.1      | 11.0        | 12.8     |
| 4   | WWA2     | s        | MID-EBB   | 1-Jun-07      |       |                    | 30.4  | 7.11     | 6,93     |                   | 104,1      | 103.5      | 7.9      | 17.9          | 4.3        | 4.2        |          | 10.0        |          |
| 5   | WWA2     | <u> </u> | MID-EBB   | 1-Jun-07      | 9:12  | 6.50               | 30.3  | 6.87     | 6.88     | 6.95              | 104.2      | 103.5      | 7.9      | 18,0          | 3,6        | 3.7        |          | 11.5        |          |
| 6   | WWA2     | В        | MID-EBB   | 1-Jun-07      |       |                    | 30.2  | 6.54     | 6.44     | 6,49              | 108.9      | 108.6      | 7.9      | 18.1          | 3.3        | 3.5        | 3.8      | 12.0        | 11.2     |
| 7   | WWA3     | s        | MID-EBB   | 1-Jun-07      |       |                    | 31.7  | 6.98     | 6.95     |                   | 108.7      | 107.5      | 7.9      | 15.1          | 4.0        | 3.9        |          | 10.0        |          |
| 8   | WWA3     | M        | MID-EB8   | 1-Jun-07      | 9:00  | 6.40               | 30.9  | 7.15     | 7.08     | 7.04              | 108.6      | 107.6      | 7.9      | 17.2          | 3,6        | 3.6        |          | 12.0        |          |
| 9   | WWA3     | В        | MID-EBB   | 1-Jun-07      |       |                    | 30.5  | 6.88     | 6.75     | 6.82              | 105.3      | 104.2      | 7.9      | 17,7          | 4.3        | 4.4        | 3.9      | 17.0        | 13.0     |
| 10  | WRA1     | s        | MID-EBB   | 1-Jun-07      |       |                    | 30,4  | 6.97     | 6.81     |                   | 106.8      | 104.5      | 7.9      | 16.5          | 5.2        | 5.1        |          | 17.5        |          |
| 11  | WRA1     | M        | MID-EBB   | 1-Jun-07      | 9:40  | 37.20              | 30.1  | 6.86     | 6,75     | 6.85              | 108.7      | 106.9      | 7.9      | 17.1          | 6.8        | 6.7        |          | 18.0        |          |
| 12  | WRA1     | В        | MID-EBB   | 1-Jun-07      |       |                    | 29.6  | 6.87     | 6.84     | 6,86              | 103.5      | 103.1      | 7.9      | 19,0          | 5.5        | 5.5        | 5.8      | 11.0        | 15.5     |
| 13  | WRA2     | s        | MID-E8B   | 1-Jun-07      |       |                    | 30.5  | 6.77     | 6.63     |                   | 107.1      | 106.8      | 7.9      | 16.3          | 4.3        | 4,1        |          | 7.0         |          |
| 14  | WRA2     | M        | MID-EBB   | 1-Jun-07      | 9:53  | 35.80              | 29.9  | 6.69     | 6,53     | 6.66              | 108.1      | 107.8      | 7.9      | 17.7          | 4.2        | 4.2        |          | 12.5        |          |
| 15  | WRA2     | В        | MID-E8B   | 1-Jun-07      |       |                    | 29.6  | 6.86     | 6.75     | 6.81              | 102.9      | 102.4      | 7,9      | 18,3          | 5.0        | 5.0        | 4.5      | 5,0         | 8.2      |
| 16  | WRA3     | s        | MID-EBB   | 1-Jun-97      |       |                    | 30.3  | 6.53     | 6.44     |                   | 106.8      | 105.3      | 7.9      | 16.6          | 5,2        | 5.2        |          | 9.5         |          |
| 17  | WRA3     | M        | MiD-E8B   | 1-Jun-07      | 10:08 | 36.70              | 30.0  | 6.49     | 6.41     | 6.47              | 104.7      | 103.8      | 7,9      | 17,5          | 4.0        | 3.9        |          | 8.0         |          |
| 18  | WRA3     | В        | MID-EBB   | 1-Jun-07      |       |                    | 29.5  | 6.55     | 6.53     | 6.54              | 107.8      | 107.1      | 7.9      | 18.0          | 3,1        | 3.2        | 4.1      | 9.0         | 8,8      |
| 19  | WWFCZ1   | S        | MID-EBB   | 1-Jun-07      |       |                    | 30.4  | 6.49     | 6.38     |                   | 101.5      | 97.5       | 7.9      | 16,3          | 6.1        | 6.0        |          | 6,0         |          |
| 20  | WWFCZ1   | М        | MiD-EBB   | 1-Jun-07      | 10:45 | 38,30              | 30.2  | 6.57     | 6.44     | 6.47              | 105.7      | 104.8      | 7.9      | 16.9          | 6.2        | 6.2        |          | 7.5         |          |
| 21  | WWFCZ1   | 8        | MID-EBB   | 1-Jun-07      |       | i                  | 29.4  | 5,96     | 5.83     | 5.90              | 89.8       | 88.7       | 7,9      | 19.6          | 6.0        | 6.0        | 6.1      | 7.0         | 6,8      |
| 22  | WWFCZ2   | s        | MID-EBB   | 1-Jun-07      |       |                    | 30.6  | 6.95     | 6.93     |                   | 109,8      | 109.5      | 7.9      | 16.0          | 5.3        | 5.1        |          | 9.5         |          |
| 23  | WWFCZ2   | M        | MID-EBB   | 1-Jun-07      | 10:33 | 38.60              | 30.1  | 6.76     | 5.53     | 6.79              | 107.6      | 106.3      | 7.9      | 16,7          | 5.0        | 5.1        |          | 9.5         |          |
| 24  | WWFCZ2   | В        | MID-EBB   | 1-Jun-07      |       |                    | 29.4  | 5.47     | 6.41     | 6.44              | 93,2       | 93,3       | 7.9      | 19.1          | 5.0        | 4.9        | 5,1      | 9.0         | 9.3      |
| 25  | WFCZR1   | S        | M!D-E8B   | 1-Jun-07      |       |                    | 30.4  | 6.86     | 6.75     |                   | 110.4      | 108.7      | 7.9      | 16,8          | 5.4        | 5.6        |          | 9.0         |          |
| 26  | WFCZR1   | M        | WID-EBB   | 1-Jun-07      | 10:57 | 3 <del>9</del> .40 | 30.3  | 6.73     | 6.69     | 6.76              | 107.1      | 106,5      | 7,9      | 17.2          | 5.9        | 5.9        |          | 14.0        |          |
| 27  | WFCZR1   | В        | MiD-EBB   | 1-Jun-07      |       |                    | 29.4  | 6.63     | 6.57     | 6.60              | 99.8       | 98.5       | 7.9      | 20.0          | 5.3        | 5,5        | 5.6      | 16.0        | 13.0     |
| 28  | WFCZR2   | S        | M:ID-EBB  | 1-Jun-07      |       |                    | 30,6  | 6.85     | 5.81     |                   | 108.5      | 107.1      | 7.9      | 15.6          | 5.9        | 5.8        |          | 6.5         |          |
| 29  | WFCZR2   | М        | MiD-EBB   | 1-Jun-07      | 10:20 | 37.90              | 29.5  | 6.67     | 6.63     | 6.74              | 102,6      | 101,2      | 7.9      | 18.5          | 6.3        | 6.3        |          | 7.5         |          |
| 30  | WFCZR2   | В        | WID-EBB   | 1-Jun-07      |       |                    | 29.1  | 5.71     | 5.65     | 5.68              | 88.5       | 86.9       | 7.9      | 20,2          | 6.7        | 6.5        | 6.2      | 9.5         | 7.8      |
| 31  | WWA1     |          | MID-FLOOD | 1-Jun-07      |       |                    | 29.1  | 6.81     | 6.73     |                   | 100,9      | 100,2      | 7.9      | 18.0          | 4.6        | 4.6        |          | 10.5        |          |
| 32  | WWA1     |          | MID-FLOOD | 1-Jun-07      | 13:59 | 7.40               | 28.9  | 6,65     | 6.59     | 6.70              | 99.1       | 98.1       | 7.9      | 18,6          | 4,2        | 4.3        |          | 11.0        | _        |
| 33  | WWA1     |          | MID-FLOOD | 1-Jun-07      |       |                    | 29.0  | 6.82     | 6.79     | 6.81              | 99,9       | 98,5       | 7.9      | 18.5          | 3.8        | 3.7        | 4.2      | 13.0        | 11.5     |
| 34  | WWA2     |          | MID-FLOOD | 1-Jun-07      |       |                    | 29.0  | 6.40     | 6.36     |                   | 99.7       | 97.6       | 7.9      | 18.7          | 4.5        | 4,5        |          | 15.0        |          |
| 35  | WWA2     |          | MID-FLOOD | 1-Jun-07      | 13:45 | 6.80               | 29.0  | 6.47     | 6.41     | 6.41              | 98,6       | 96.5       | 7.9      | 18.5          | 3.8        | 3.6        |          | 12.0        |          |
| 36  | WWA2     |          | MID-FLOOD | 1-Jun-07      |       |                    | 29.0  | 6.49     | 6.42     | 6.45              | 97.5       | 96.1       | 7.9      | 17.9          | 3.5        | 3.6        | 3.9      | 13.0        | 13.3     |
| 37  | WWA3     |          | MID-FLOOD | 1-Jun-07      |       |                    | 29.0  | 6.00     | 5.93     |                   | 94,3       | 92,7       | 7.9      | 19.7          | 4.2        | 4.2        |          | 11.0        |          |
| 38  | WWA3     |          | MID-FLOOD | 1-Jun-07      | 13:30 | 6.70               | 29.0  | 6.13     | 6,14     | 6.05              | 93.0       | 91.0       | 7.9      | 19.3          | 4.0        | 3.9        |          | 9.5         |          |
| 39  | WWA3     |          | MID-FLOOD | 1-Jun-07      |       |                    | 29.0  | 6.38     | 6.34     | 6.36              | 95.7       | 94,5       | 7.9      | 19.3          | 4.4        | 4.4        | 4.2      | 13.5        | 11.3     |
| 40  | WRA1     |          | MID-FLOOD | 1-Jun-07      | l l   |                    | 29.4  | 6.83     | 6.81     | i                 | 107.3      | 106.2      | 7.9      | 17.0          | 5.1        | 5.1        |          | 10.0        |          |
| 41  | WRA1     |          | MID-FLOOD | 1-Jun-07      | 14;10 | 37.70              | 28.6  | 6.26     | 6.21     | 6.53              | 91.3       | 90.5       | 7.9      | 19.7          | 5.5        | 5.4        |          | 9.5         |          |
| 42  | WRA1     |          | MID-FLOOD | 1-Jun-07      |       |                    | 28.7  | 6.14     | 6.07     | 6.11              | 95,0       | 93.1       | 7.9      | 19.3          | 5.0        | 4.8        | 5.1      | B.5         | 9.3      |
| 43  | WRA2     |          | MID-FLOOD | 1-Jun-07      |       |                    | 29.5  | 6,85     | 6.83     |                   | 102.1      | 101.7      | 7.9      | 17.1          | 4.5        | 4.5        |          | 5.0         |          |
| 44  | WRA2     |          | MID-FLOOD | 1-Jun-07      | 14:23 | 36,40              | 29.2  | 6.60     | 6.56     | 6.71              | 99.0       | 98.1       | 7.9      | 18.3          | 4.4        | 4,5        | 4.0      | 5.0<br>6.0  | 5.3      |
| 45  | WRA2     | В        | MID-FLOOD | 1-Jun-07      |       |                    | 28.0  | 5.53     | 5.40     | 5.47              | 90.2       | 86.2       | 7.9      | 19.4          | 5.0        | 4.9        | 4,6      | ע.ט         | 5.3      |

Gnenyproject/24583/env\_data/marine/impact/Data Evaluation/monthly/

Page 1 of 18

| _        |          |                |           |                      |                |             |              |              |              |                   | DO. %        | DO, %        | ,          |               |            |            | NTÚ,     |              | SS.      |
|----------|----------|----------------|-----------|----------------------|----------------|-------------|--------------|--------------|--------------|-------------------|--------------|--------------|------------|---------------|------------|------------|----------|--------------|----------|
| Lab      |          |                |           |                      |                | Water       | Temp.        | DO, mg/L     | DO, mg/L     |                   | saturation   | saturation   | 1          | l             | Turbidity. | Turbidity. | Averaged | Suspended    | Averaged |
| ID       | Location | Position       | Tide      | Sampling Date.       | Time           | depth, m    | °C           | (1)          | (2)          | DO, Average value |              |              | pH, Unit   | Salinity, ppt | NTU (1)    | NTU (2)    | Value    | Solid, mg/L  | Value    |
| 46       | WRA3     | ŝ              | MID-FLOOD | 1-Jun-07             |                |             | 29.5         | 6,95         | 6.83         | · -               | 109.5        | 109.1        | 7.9        | 17.3          | 5,2        | 5.1        |          | 6.0          |          |
| 47       | WRA3     | M              | MID-FLOOD | 1-Jun-07             | 14:38          | 37.20       | 29.1         | 6.51         | 6.44         | 6.68              | 100.9        | 99.4         | 7.9        | 18.7          | 4.2        | 4,3        |          | 6.5          |          |
| 48       | WRA3     | - B            | MID-FLOOD | 1-Jun-07             |                | · · · · · · | 29.1         | 6,72         | 6.66         | 6.69              | 101.6        | 100.2        | 7.9        | 18.7          | 4.0        | 3.9        | 4.5      | 5.0          | 5.8      |
|          | WWFCZ1   | s              | MID-FLOOD | 1-Jun-07             |                |             | 29.7         | 6.76         | 6.63         |                   | 106.3        | 105.8        | 7.9        | 15.2          | 5.8        | 5,8        |          | 5.5          | í        |
|          | WWFCZ1   | М              | MID-FLOOD | 1-Jun-07             | 15:23          | 38.60       | 29.3         | 6,86         | 6.77         | 6.76              | 102.5        | 102.6        | 7.9        | 18.8          | 5.5        | 5.6        |          | 12.0         |          |
| 51       | WWFCZ1   | . в            | MID-FLOOD | 1-Jun-07             | i I            |             | 28.2         | 5.70         | 5.69         | 5.70              | 83,3         | 82.7         | 7.9        | 22.9          | 6.0        | 6.0        | 5,8      | 5.0          | 7.5      |
| 52       | WWFCZ2   | s              | MID-FLOOD | 1-Jun-07             |                |             | 29,4         | 6.46         | 6.41         |                   | 106.9        | 106.3        | 7.9        | 17.1          | 5.4        | 5.4        |          | 13,0         |          |
| 53       | WWFCZ2   | M              | MID-FLOOD | 1-Jun-07             | 15:10          | 39,20       | 29.2         | 6.41         | 6.38         | 6.42              | 100,3        | 1,001        | 7.9        | 18.5          | 5.0        | 4,9        |          | 9.5          | i        |
|          | WWFCZ2   | В              | MID-FLOOD | 1-Jun-07             |                |             | 28.2         | 5.58         | 5.53         | 5.56              | 84.1         | 83.4         | 7.9        | 21.4          | 5.0        | 5.1        | 5,1      | 15.0         | 12.5     |
|          | WFCZR1   | S              | MID-FLOOD | 1-Jun-07             |                |             | 29.5         | 5.92         | 5,88         |                   | 106.9        | 105.3        | 7.9        | 17.8          | 5.3        | 5.2        |          | 8.5          | i        |
|          | WFCZR1   | М              | MID-FLOOD | 1-Jun-07             | 15:38          | 39.70       | 29.0         | 5.80         | 5.71         | 5.83              | 90.2         | 89.1         | 7.9        | 19,9          | 5.2        | 5.3        |          | 8.5          |          |
| 57       | WFCZR1   | В              | MID-FLOOD | 1-Jun-07             |                |             | 28.6         | 6.33         | 6,35         | 6.34              | 91.0         | 91.4         | 7.9        | 21.2          | 4.7        | 4.7        | 5.1      | 8.0          | 8.3      |
|          | WFCZR2   | s              | MID-FLOOD | 1-Jun-07             |                | L           | 29.7         | 6.52         | 6.47         |                   | 101.5        | 103.7        | 7.9        | 16.9          | 5.7        | 5.7        |          | 7,5          |          |
|          | WFCZR2   | M              | MID-FLOOD | 1-Jun-07             | 14:50          | 38.30       | 29.4         | 6.82         | 6.76         | 6.64              | 108.7        | 106.3        | 7.9        | 18.0          | 6.1        | 6.1        |          | 6.0          | l        |
|          | WFCZR2   | В              | MID-FLOOD | 1-Jun-07             |                |             | 27.8         | 5.21         | 5.15         | 5.18              | 86.5         | 84.0         | 7.9        | 24.3          | 6.2        | 6.1        | 6.0      | 10,0         | 7.8      |
| 61       | WWA1     | S              | MID-EBB   | 4-Jun-07             |                |             | 30.4         | 5.70         | 5.64         |                   | 82.0         | 81,6         | 7.9        | 20.0          | 7.0        | 7.0        |          | 13.0         |          |
| 62       | WWA1     | M              | WID-E88   | 4-Jun-07             | 16:34          | 7.10        | 30.1         | 5.61         | 5.54         | 5.62              | 80.0         | 80.4         | 7.9        | 20.4          | 7.2        | 7.1        |          | 13.5         | 450      |
| 63       | WWA1     | 8              | MID-EBB   | 4-Jun-07             |                |             | 30.1         | 5.50         | 5.42         | 5.46              | 79,0         | 78.1         | 7.9        | 20.4          | 6.2<br>5.8 | 8.1<br>5.7 | 7.4      | 22.0<br>14.0 | 16.2     |
| 64       | WWA2     | S              | MID-EBB   | 4-Jun-07             |                | !           | 30.9         | 5,60         | 5.54         |                   | 80.6         | 81.4<br>78.9 | 7.9        | 18.9          |            |            |          |              | i        |
| 65       | WWA2     | M              | MID-EBB   | 4-Jun-07             | 16:48          | 6.50        | 30.8         | 5.52         | 5.53         | 5.57              | 80.2         | 78.9<br>78.0 | 7.9        | 18.9<br>19.0  | 6.8<br>7.3 | 6.8        | 6.6      | 17.5<br>18.0 | 16.5     |
| 66       | WWA2     | В              | MID-EBB   | 4-Jun-07             |                |             | 30.9         | 5.50         | 5.45         | 5.48              | 78.4         | 78.0<br>88.0 | 7.9<br>7.9 | 17.7          | 8.8        | 8.8        | 0.0      | 13.0         | 10.5     |
| 67       | WWA3     | S              | MID-EBB   | 4-Jun-07             | 47.00          | 6.40        | 31.8         | 5,90         | 5.86         | 5.04              | 89.1         |              |            | 19.2          | 7.9        | 7.9        |          | 21.0         | i        |
| 68       | WWA3     | M              | MID-EBB   | 4-Jun-07             | 17:00          | 0.40        | 31.0<br>30.9 | 5.76         | 5.70         | 5.81              | 86.1<br>85.0 | 84.6<br>84.4 | 7.9        | 18.9          | 6.9        | 6.9        | 7.9      | 16.5         | 16.8     |
| 69       | WWA3     | В              | MID-EBB   | 4-Jun-07             |                |             |              | 5.80<br>5.67 | 5.71<br>5.60 | 5.76              | 82.6         | 81.0         | 7.9        | 20.1          | 4.6        | 4.8        | 7,9      | 11.0         | 10.0     |
| 70       | WRA1     | S              | MID-EBB   | 4-Jun-07             | 40.00          | 37.30       | 30.1<br>28,2 | 5.44         | 5.41         | 5.50              | 79.5         | 79.1         | 7.9        | 26.8          | 9.0        | 9.1        |          | 12.0         | Į.       |
| 71       | WRA1     | <u>M</u>       | MID-EBB   | 4-Jun-07             | 16:20          | 37.30       | 28.3         | 5.46         | 5.41         | 5.53<br>5.44      | 80,3         | 79.2         | 7.9        | 26.1          | 6.7        | 6.8        | 6.8      | 15.0         | 12.7     |
| 72       | WRA1     | В              | MID-EBB   | 4-Jun-07<br>4-Jun-07 |                |             | 31.5         | 5.52         | 5.48         | 5,44              | 80,9         | 80.3         | 7.9        | 16.6          | 5.7        | 5.B        | 0,0      | 9.5          | 12.,     |
| 73       | WRA2     | S              | MID-EBB   | 4-Jun-07             | 16:07          | 36.10       | 29.8         | 5.43         | 5.40         | 5.46              | 91.4         | 89.0         | 7,9        | 20.9          | 4.9        | 5.6        |          | 6.0          |          |
| 74       | WRA2     | B              | MID-EBB   | 4-Jun-07<br>4-Jun-07 | 10.01          | 30.10       | 29.4         | 5.73         | 5.67         | 5.70              | 89.4         | 89.0         | 7.9        | 21.6          | 4.3        | 4.5        | 5.0      | 5.0          | 6.8      |
| 75<br>76 | WRA3     | S              | MID-EBB   | 4-Jun-07             |                |             | 31.4         | 5.56         | 5.50         | 3.10              | 80.3         | 78.6         | 7.9        | 16.4          | 4.9        | 4.8        | 2.0      | 11.0         | <u> </u> |
| 77       | WRA3     | M              | M)D-EBB   | 4-Jun-07             | 15:50          | 36.80       | 29.6         | 5.62         | 5.59         | 5.57              | 81.0         | 79,6         | 7.9        | 21.1          | 3.5        | 3.5        |          | 9.5          | ı        |
| 78       | WRA3     | B B            | M:D-EBB   | 4-Jun-07             | 15,50          | 30.00       | 29.2         | 5,53         | 5,60         | 5.57              | 81.7         | 81.8         | 7.9        | 22.6          | 4.1        | 4.2        | 4.2      | 8.0          | 9.5      |
|          | WWFCZ1   | S              | MID-EBB   | 4-Jun-07             |                |             | 30.9         | 5.54         | 5.51         | 3.31              | 78.7         | 78.2         | 7.9        | 17.0          | 6.4        | 6.2        |          | 11,5         | <u></u>  |
|          | WWFCZ1   | <u>м</u>       | MID-EBB   | 4-Jun-07             | 15:11          | 38.20       | 30.3         | 5.46         | 5.40         | 5.48              | 77.9         | 77.6         | 7.9        | 16.7          | 4.9        | 4.8        |          | 9.0          | ı        |
| 1        | WWFC21   | M              | MID-EBB   | 4-Jun-07             | 15,71          | 50.20       | 29.4         | 5.57         | 5.49         | 5.53              | 84.1         | 82.6         | 7.9        | 22.6          | 4.6        | 4.7        | 5.3      | 11.0         | 10.5     |
|          | WWFCZ2   | s              | MID-EBB   | 4-Jun-07             |                |             | 30.9         | 5.50         | 5.43         | 5.55              | 80.6         | 78.7         | 7.9        | 17.2          | 7.4        | 7.4        | 0.0      | 18.5         | ,        |
|          | WWFCZ2   | - <del>M</del> | MID-EBB   | 4-Jun-07             | 15:24          | 38.80       | 30.4         | 5.64         | 5.5B         | 5.54              | 80.2         | 78.9         | 7.9        | 18.0          | 6.5        | 6.4        |          | 17.0         |          |
|          | WWFC22   | В              | MID-EBB   | 4-Jun-07             |                |             | 29.5         | 5.50         | 5.41         | 5.46              | 79.5         | 79.1         | 7.9        | 21.2          | 4.6        | 4.4        | 6.1      | 9.0          | 14.8     |
|          | WFCZR1   | 8              | MID-EBB   | 4-Jun-07             | <del>   </del> |             | 31.0         | 5.56         | 5.51         | 5.40              | 78.6         | 78.1         | 7.9        | 16.9          | 7.7        | 7.7        |          | 8.0          | . ,,,,   |
|          | WFCZR1   | <del>- M</del> | MID-EBB   | 4-Jun-07             | 15:00          | 39.50       | 29.9         | 5.57         | 5.54         | 5.55              | 78.9         | 78.2         | 7.9        | 19,3          | 4,9        | 4.8        |          | 10.0         |          |
|          | WFCZR1   | В              | MID-EBB   | 4-Jun-07             | 7              | H           | 28,7         | 5.60         | 5.46         | 5.53              | 78.7         | 78.1         | 7.9        | 24.8          | 3.7        | 3.6        | 5.4      | 6.5          | 8.2      |
|          | WFCZR2   | s              | MID-EBB   | 4-Jun-07             |                |             | 31.1         | 5.79         | 5.64         |                   | 84.7         | 84,0         | 7.9        | 16.6          | 9.1        | 9.1        |          | 23.5         |          |
|          | WFCZR2   | - й            | MID-EBB   | 4-Jun-07             | 15:38          | 38.10       | 29.8         | 5.58         | 5.51         | 5.63              | 81.2         | 79.6         | 7.9        | 19.8          | 4.4        | 4.4        |          | 7.5          |          |

|     |          |                  |           | · · · · · · · ·      |                   | r –      |              |              |              |                   | DO, %            | DO. %          |            |               |            |            | NTU.     | 1           | SS.     |
|-----|----------|------------------|-----------|----------------------|-------------------|----------|--------------|--------------|--------------|-------------------|------------------|----------------|------------|---------------|------------|------------|----------|-------------|---------|
| Lab |          |                  |           |                      |                   | Water    | Тетр.        | DO, mg/L     | DO, mg/L     |                   | saturation       | saturation     | ı          |               | Turbidity, | Turbidity. | Averaged | Suspended   | Average |
| ID  | Location | Position         | Tide      | Sampling Date        | Time              | depth, m | °c           | (1)          | (2)          | DO, Average value | (1)              | (2)            | pH, Unit   | Salinity, ppt | NTU (1)    | NTU (2)    | Value    | Solid, mg/L | Value   |
| 90  | WFCZR2   | В                | MID-EBB   | 4-Jun-07             |                   |          | 28.2         | 5.46         | 5.40         | 5.43              | 78.5             | 78.1           | 7.9        | 27.3          | 4.6        | 4.6        | 6.0      | 10.0        | 13.7    |
| 91  | WWA1     | s                | MID-FLOOD | 4-Jun-07             |                   |          | 28.7         | 5.91         | 5.88         |                   | 84,9             | 85.0           | 7.9        | 25.7          | 6.8        | 6.8        | 1        | 5.0         |         |
| 92  | WWA1     | M                | M/D-FLOOD | 4-Jun-07             | 10:34             | 7,50     | 28.7         | 5.79         | 5.80         | 5.85              | 85.1             | 85.7           | 7.9        | 25.9          | 6.5        | 6.5        | i        | 7,5         | i       |
| 93  | WWA1     | 8                | MID-FLOOD | 4-Jun-07             | ' '               |          | 28.7         | 5,96         | 5.80         | 5,88              | 84,3             | 84.4           | 7.9        | 25.9          | 7.0        | 7.0        | 6.7      | 5.0         | 5.8     |
| 94  | WWA2     | S                | MID-FLOOD | 4-Jun-07             |                   |          | 28.8         | 5,42         | 5.40         |                   | 82.6             | 82.0           | 7.9        | 26.0          | 6.1        | 6.1        |          | 5.5         |         |
| 95  | WWA2     | M                | MID-FLOOD | 4-Jun-07             | 10:47             | 6.80     | 28.7         | 5.85         | 5.86         | 5.63              | 85.1             | 85.2           | 7.9        | 26.1          | 5.8        | 5.9        | 1        | 7.5         | i       |
| 96  | WWA2     | В                | MID-FLOOD | 4-Jun-07             | i                 |          | 28.7         | 5.84         | 5.81         | 5.83              | 86.1             | 85,9           | 7.9        | 26.2          | 7,0        | 7.2        | 6,3      | 8,0         | 7.0     |
| 97  | WWA3     | Ş                | MID-FLOOD | 4-Jun-07             |                   |          | 29.6         | 5,66         | 5.65         |                   | 84.0             | 84.2           | 7,9        | 24.8          | 8.0        | 7.7        |          | 5.5         |         |
| 98  | WWA3     | М                | MID-FLOOD | 4-Jun-07             | 11:00             | 6,90     | 29.2         | 5.61         | 5.54         | 5.62              | 78.3             | 78.0           | 7.9        | 25.4          | 7.5        | 7.2        | 1        | 7.0         | 1       |
| 99  | WWA3     | В                | MID-FLOOD | 4-Jun-07             |                   |          | 29.0         | 5.40         | 5.39         | 5.40              | 81.4             | 81.2           | 7.9        | 25.6          | 6.9        | 6.9        | 7,4      | 6,0         | 6.2     |
| 100 | WRA1     | s                | MJD-FLOOD | 4-Jun-07             |                   |          | 28.7         | 5,80         | 5.75         |                   | 90.4             | 89.8           | 7.9        | 25.4          | 5.1        | 5.3        |          | 6.5         |         |
| 101 | WRA1     | M                | MID-FLOOD | 4-Jun-07             | 10:20             | 37.70    | 28.4         | 5.80         | 5.77         | 5.78              | 85.9             | 86.5           | 7.9        | 26.5          | 8.2        | 8.3        |          | 5.5         | ı       |
| 102 | WRA1     | В                | MID-FLOOD | 4-Jun-07             |                   |          | 27.7         | 5.41         | 5.40         | 5.41              | 78.0             | 77.6           | 7.9        | 29.3          | 7.0        | 8.8        | 6,8      | 7.0         | 6.3     |
| 103 | WRA2     | S                | MID-FLOOD | 4-Jun-07             |                   |          | 28.3         | 5.82         | 5.74         |                   | 88.7             | 89.D           | 7.9        | 26.2          | 6.0        | 6.1        |          | 20.5        |         |
| 104 | WRA2     | М .              | MID-FLOOD | 4-Jun-07             | 10:07             | 36.90    | 27.9         | 5.50         | 5.42         | 5.62              | 76.4             | 76.1           | 7.9        | 27.4          | 5.2        | 5.2        |          | 12.5        | l       |
| 105 | WRA2     | В                | MID-FLOOD | 4-Jun-07             |                   |          | 28.2         | 5.80         | 5.69         | 5.75              | 77.2             | 76.9           | 7.9        | 26.8          | 5.0        | 4.9        | 5,4      | 10,0        | 14,3    |
| 106 | WRA3     | S.               | MID-FLOOD | 4-Jun-07             |                   |          | 28.4         | 5.83         | 5.52         |                   | 81.8             | 82.0           | 7.9        | 25.8          | 4.5        | 4.4        |          | 9.0         |         |
| 107 | WRA3     | М                | MID-FLOOD | 4-Jun-07             | 9:53              | 37.50    | 28.1         | 5.89         | 5.84         | 5.77              | 81.6             | 80.4           | 7.9        | 26.1          | 5.0        | 4.9        |          | 9.5         | i       |
| 108 | WRA3     | В :              | MID-FLOOD | 4- Jun-07            |                   |          | 27.5         | 5.50         | 5,44         | 5,47              | 76.9             | 76,5           | 7.9        | 29.4          | 5.1        | 5.1        | 4.8      | 6.5         | 8.3     |
|     | WWFCZ1   | S                | MID-FLOOD | 4-Jun-07             |                   |          | 28.4         | 5.49         | 5,50         |                   | 81,8             | 81.2           | 7.9        | 26.2          | 6.5        | 6.5        |          | 9.5         |         |
|     | WWFCZ1   | M                | MID-FLOOD | 4-Jun-07             | 9:14              | 3B,90    | 28.1         | 5.35         | 5.40         | 5.44              | 82.4             | 81.1           | 7.9        | 22.1          | 6,0        | 5.8        |          | 9.0         |         |
|     | WWFCZ1   | В                | MID-FLOOD | 4-Jun-07             |                   |          | 27.9         | 5.51         | 5.50         | 5.51              | 79.6             | 79.5           | 7.9        | 28.2          | 5,6        | 5,8        | 6.0      | 6,5         | 8.3     |
|     | WWFCZ2   | Ş                | MID-FLOOD | 4-Jun-07             |                   |          | 28.7         | 5,94         | 5,80         |                   | 86. <del>9</del> | 87.3           | 7,9        | 24.6          | 7.0        | 6.9        |          | 12.5        |         |
|     | WWFC22   | M                | MID-FLOOD | 4-Jun-07             | 9:27              | 39.50    | 27.9         | 5.41         | 5.46         | 5.65              | 80.0             | 79.7           | 7.9        | 27.7          | 6.5        | 6.5        |          | 8.5         |         |
|     | WWFCZ2   | В                | MID-FLOOD | 4-Jun-07             |                   |          | 27.3         | 5.43         | 5.41         | 5.42              | 79.6             | 79.0           | 7,9        | 28.1          | 5,9        | 5.9        | 6.4      | 6.0         | 9.0     |
|     | WFCZR1   | 5                | MID-FLOOD | 4-Jun-07             |                   |          | 29.0         | 5.90         | 5.69         |                   | 91.2             | 89.6           | 7.9        | 23.2          | 6.8        | 6.8        |          | 12.0        |         |
|     | WFCZR1   | M                | MID-FLOOD | 4-Jun-07             | 9:00              | 40.70    | 28.1         | 5.83         | 5.86         | 5.82              | 89.7             | 85.2           | 7.9        | 27.3          | 5.2        | 5.4        |          | 12.5        |         |
|     | WFCZR1   | B                | MID-FLOOD | 4-Jun-07             |                   |          | 27,6         | 5.72         | 5,68         | 5.70              | 79.6             | 80.4           | 7.9        | 27.9          | 5.0        | 5.1        | 5.7      | 9.5         | 11.3    |
|     | WFCZR2   | S                | MID-FLOOD | 4-Jun-07             |                   |          | 30.2         | 6.79         | 6.74         |                   | 118.2            | 118,3          | 7.9        | 19,3          | 7,2        | 7.3        |          | 5.5         |         |
|     | WFCZR2   | M                | MID-FLOOD | 4-Jun-07             | 9:40              | 39.20    | 28.8         | 5.70         | 5,64         | 6.22              | 90.9             | 90.2           | 7.9        | 25.6          | 5.5        | 5.7        |          | 9.5         |         |
|     | WFCZR2   | В                | MID-FLOOD | 4-Jun-07             |                   |          | 28.0         | 5.50         | 5.44         | 5.47              | 77.2             | 77.1           | 7.9        | 28,1          | 5.9        | 5.9        | 6.3      | 9.0         | 8.0     |
| 121 | WWA1     | s                | MID-EBB   | 6-Jun-07             | 40.04             |          | 31,0         | 6,80         | 6,71         | 0.04              | 122.2            | 120.6          | 7.9        | 6.7           | 7.2        | 7.5<br>8.0 |          | 17.0        |         |
| 122 | WWA1     | M B              | MID-EBB   | 6-Jun-07             | 16;34             | 6.90     | 30.9<br>30.8 | 6.89<br>6.90 | 6.85<br>6.79 | 6.81<br>6.85      | 121.9<br>118.8   | 120.2<br>118.2 | 7.9<br>7.9 | 7.9<br>8.4    | 7,6<br>6.2 | 6.0        | 7.1      | 11.0        | 45.7    |
| 123 | WWA2     | S                | MID-EBB ( | 6-Jun-07<br>6-Jun-07 |                   |          | 32.0         | 6.79         | 6.74         | 0.65              | 120.1            | 118.2          | 7.9        | 7.3           | 8.2        | 8.2        | 7.1      | 24.0        | 15.7    |
| 124 | WWA2     | <u> </u>         | MID-EBB   | 6-Jun-07<br>8-Jun-07 | 16:47             | 6.30     | 31.2         | 6.94         | 7.02         | 6.87              | 120.1            | 113.8          | 7.9        | 7.4           | 8.0        | 7.9        |          | 20.0        |         |
| 126 | WWA2     | B                | MID-EBB   | 6-Jun-07             | 10.47             | 0.30     | 30.6         | 6.80         | 6.77         | 6.79              | 114.4            | 114.0          | 7.9        | 7.6           | 7,0        | 6.9        | 7.7      | 9.5         | 17.8    |
| 127 | WWA3     | - <del>5</del> - | MID-EBB   | 6-Jun-07             | $\longrightarrow$ |          | 32.9         | 6.50         | 5.42         | 0.15              | 124.5            | 123.6          | 7.9        | 7.4           | 8,5        | 8.5        | 1.1      | 7.0         | 17.0    |
| 128 | WWA3     | M.               | MID-EBB   | 6-Jun-07             | 16:59             | 6.10     | 32.4         | 6.89         | 6.82         | 6.66              | 126.4            | 126.1          | 7.9        | 8.4           | 8.2        | 8.2        |          | 42.5        |         |
| 129 | WWA3     | В.               | MID-EBB   | 6-Jun-07             | 10.35             | V.10     | 31.5         | 6.50         | 6.42         | 6.46              | 109.8            | 109.5          | 7.9        | 8.2           | 7.5        | 7.5        | 8.1      | 29.5        | 26.3    |
| 130 | WRA1     | s                | MID-EBB   | 6-Jun-07             |                   |          | 31.1         | 6.99         | 7.01         | 0.40              | 129.6            | 128.6          | 7.9        | 7.5           | 6.2        | 6.2        | V. 1     | 47.5        | 20.5    |
| 131 | WRA1     | M                | MID-EBB   | 6-Jun-07             | 16:20             | 36.80    | 29.7         | 6.87         | 6.82         | 6.92              | 118.5            | 117.7          | 7.9        | 10.6          | 7.2        | 7.0        |          | 11.0        |         |
| 132 | WRA1     | В                | MID-EBB   | 6-Jun-07             |                   |          | 28.1         | 6.80         | 6.74         | 6.77              | 110.9            | 108.5          | 7.9        | 14.1          | 6.9        | 7.0        | 6.7      | 11.5        | 23.3    |
| 133 | WRA2     | - S              | MID-EBB   | 6-Jun-07             |                   | +        | 29.9         | 6,53         | 6.45         |                   | 102.1            | 101.1          | 7.9        | 10.7          | 6.5        | 6.6        |          | 33.5        |         |
| 100 |          |                  |           | 3-4411-61            | f                 |          | *****        | 0.00         | 5.40         | 1                 | 144.1            |                | ,          | 19.7          |            |            |          | 00.0        |         |

Grenv project/24583 env\_data/marine/impact/Data Evaluation/monthly

Page 3 of 18

### HY/2005/06 Castle Peak Road Improvement - West of Tsing Lung Tau – Environmental Monitoring & Audit Service Marine Water Quality Impact Monitoring - June 2007

|            |        |                  |           | <del> </del>         |         |          |              | 7            |              |                   | DO, %        | DO, %        |            |               |            |            | NTU,     |             | S\$,    |
|------------|--------|------------------|-----------|----------------------|---------|----------|--------------|--------------|--------------|-------------------|--------------|--------------|------------|---------------|------------|------------|----------|-------------|---------|
| Lab        |        |                  |           |                      |         | Water    |              | ,g           |              |                   | saturation   | saturation   |            |               | Turbidity, | Turbidity, | Averaged | Suspended   | Average |
| ID         |        | Position         | Tide      | Sampling Date        | Time    | depth, m | ိုင          | (1)          | (2)          | DO, Average value | (1)          | (2)          | pH, Unit   | Salinity, ppt | NTU (1)    | NTU (2)    | Value    | Solid, mg/L | . Value |
| 134        | WRA2   | М                | MID-EBB   | 6-Jun-07             | 18:07   | 35,70    | 28.1         | 6.22         | 6.20         | 6.35              | 98.6         | 97.4         | 7.9        | 17.8          | 6.1        | 6.1        |          | 14.0        |         |
| 135        | WRA2   | В                | MID-EBB   | 6-Jun-07             |         |          | 30.8         | 6.64         | 6.62         | 6.63              | 110.6        | 108.1        | 7.9        | 7.4           | 5.9        | 6.0        | 6.2      | 18.5        | 22.0    |
| 136        | WRA3   | s                | MID-EBB   | 6-Jun-07             |         |          | 37.0         | 6.78         | 6.72         |                   | 126.5        | 126.1        | 7.9        | 7.6           | 7.1        | 7.2        |          | 39.5        |         |
| 137        | WRA3   | M                | MID-EBB   | 6-Jนก-07             | 15:55   | 36.50    | 29.5         | 6.60         | 6.54         | 6.66              | 124.1        | 123.6        | 7.9        | 10.0          | 7.0        | 6.9        |          | 13.5        | 1       |
| 138        | WRA3   | В                | MID-EBB   | 6-Jun-07             |         |          | 29.3         | 6.96         | 6.90         | 6.93              | 110.0        | 109.6        | 7.9        | 10,5          | 6,0        | 6,1        | 6.7      | 6,5         | 19.8    |
|            | WWFCZ1 | S                | MID-EBB   | 6-Jun-07             |         |          | 30.1         | 6.77         | 6.74         | ]                 | 112.3        | 111.8        | 7.9        | 10.7          | 10.7       | 9.9        |          | 30.5        | 1       |
|            | WWFCZ1 | М                | MID-EBB   | 6-Jun-07             | 15:14   | 37.80    | 28.6         | 6.86         | 6.82         | 6.80              | 109.9        | 108.7        | 7.9        | 14.7          | 4.0        | 3.8        |          | 9.0         | 1       |
|            | WWFCZ1 | ₽                | MID-EBB   | 6-Jun-07             |         |          | 30.5         | 6,90         | 6,84         | 6.87              | 119.9        | 117.7        | 7.9        | 9.7           | 4.0        | 3.9        | 6.0      | 6.0         | 15.2    |
|            | WWFCZ2 | S                | MID-EBB   | 6-Jun-07             | l i     |          | 30.2         | 6.76         | 6.71         |                   | 118.4        | 118.1        | 7.9        | 10.8          | 5.9        | 5,9        |          | 6.5         |         |
|            | WWFCZ2 | M                | MID-EBB   | 6-Jun-07             | 15:28   | 38.80    | 28.8         | 6,56         | 6.57         | 6.65              | 116,7        | 116.2        | 7,9        | 14,6          | 4.0        | 3.9        |          | 6.0         |         |
| 144        | WWFC22 | B                | MID-EEB   | 6-Jun-07             |         |          | 29.7         | 6.70         | 6.66         | 6,68              | 109.6        | 108.1        | 7.9        | 11.2          | 4.0        | 3.9        | 4.6      | 6.5         | 6.3     |
|            | WFCZR1 | s                | MID-EBB   | 6-Jun-07             |         |          | 29.7         | 6.88         | 6.82         |                   | 121.8        | 119.6        | 7.9        | 10,9          | 4.3        | 4.4        |          | 9,5         | 1       |
|            | WFC2R1 | M                | MID-EBB   | 6-Jun-07             | 15:00   | 39,10    | 28.1         | 6.79         | 6.75         | 6.81              | 108.2        | 107.6        | 7.9        | 13.9          | 4.1        | 4.1        |          | 6.5         |         |
|            | WFCZR1 | В                | MID-EBB   | 6-Jun-07             |         |          | 28.0         | 6.92         | 6.79         | 6.86              | 113.7        | 114.0        | 7.9        | 13.5          | 4.1        | 4.2        | 4.2      | 6.5         | 7.5     |
|            | WFCZR2 |                  | MID-EBB   | 6-Jun-07             |         |          | 31.2         | 6,81         | 6.79         | [                 | 130.9        | 128.6        | 7.9        | 8,5           | 6.8        | 6.8        |          | 21.0        | 1       |
|            | WFC2R2 | М                | MID-EBB   | 6-Jun-07             | 15:43   | 37.20    | 29.2         | 6.74         | 6.72         | 6.77              | 122.5        | 122.2        | 7.9        | 13.8<br>15.4  | 3.4        | 3.4        |          | 5.5         |         |
|            | WFCZR2 | В                | MID-EB8   | 6-Jun-07             |         |          | 28.0         | 6.60         | 6.56         | 6.58              | 127.1        | 126.4        | 7.9        |               | 4.5        | 4.6        | 4.9      | 9,0         | 11.8    |
| 151<br>152 | WWA1   | S<br>M           | MID-FLOOD | 6-Jun-07             | 10:58   | 7.20     | 28.6<br>28.3 | 5,63<br>5,51 | 5,60         |                   | 79.6<br>77.7 | 78.2<br>77.4 | 7.9<br>7.9 | 23.8<br>25.3  | 7.0<br>7.1 | 6.8<br>7.1 |          | 11.5        | ł       |
| 153        | WWA1   |                  |           | 6-Jun-07             | 10;58   | 7.20     | 28.3         | 5.53         | 5.46<br>5.50 | 5.55<br>5.52      | 77.2         | 76.8         | 7.9        | 25.3          | 6.5        | 6,6        | 6.8      |             | 4-0     |
| 154        | WWA1   | B                | MID-FLOOD | 6-Jun-07<br>6-Jun-07 |         |          | 28.5         | 5.53         | 5.85         | 5.52              | 88.0         | 87.2         | 7.9        | 23.8          | 8.0        | 8.1        | 0.8      | 28.0<br>7.5 | 17,8    |
| 155        | WWA2   | M                | MID-FLOOD | 6-Jun-07             | 11:09   | 6.50     | 28.2         | 5.63         | 5.65         | 5.74              | 86.8         | 85.8         | 7.9        | 25.3          | 7.9        | 7.7        |          | 13.5        | ĺ       |
| 156        | WWA2   | В В              | MID-FLOOD | 6-Jun-07             | 13.69   | 0.30     | 28.1         | 5.64         | 5.58         | 5.61              | 81.6         | 82.0         | 7.9        | 25.7          | 7.4        | 7.4        | 7.8      | 6.5         | 9.2     |
| 157        | WWA3   | S                | MID-FLOOD | 6-Jun-07             |         |          | 28.8         | 5.74         | 5.69         | 5.61              | 84.0         | 82.6         | 7.9        | 23.0          | 7.9        | 7.7        | 7.0      | 6.0         | 8.2     |
| 158        | WWA3   | М .              | MID-FLOOD | 6-Jun-07             | 11:22   | 6.30     | 28.5         | 5.54         | 5.46         | 5,60              | 78.6         | 78.0         | 7.9        | 24.5          | 8.1        | 8.1        |          | 13.0        | l       |
| 159        | WWA3   | В                | MID-FLOOD | 6-Jun-07             | ,,,,,,, | 0.00     | 28.2         | 5.58         | 5.49         | 5.54              | 76.2         | 76.0         | 7.9        | 24.3          | 7.9        | 7.7        | 7.9      | 9.5         | 9,5     |
| 160        | WRA1   |                  | MID-FLOOD | 6-Jun-07             |         |          | 27.9         | 5.37         | 5.36         | 0.54              | 77.0         | 77.3         | 7.9        | 26.3          | 5.5        | 6.5        | 1.5      | 11.0        |         |
| 161        | WRA1   | <del>- มี-</del> | MID-FLOOD | 6-Jun-07             | 10:45   | 37.20    | 27.7         | 5.65         | 5.58         | 5.49              | 77.8         | 78.4         | 7.9        | 26.8          | 7.1        | 7.1        |          | 10.5        | l       |
| 162        | WRA1   | B                | MID-FLOOD | 6-Jun-07             | 1       |          | 28.6         | 5.83         | 5.82         | 5.83              | 89,5         | 85.8         | 7.9        | 23,8          | 7.D        | 6.9        | 6.8      | 9,5         | 10,3    |
| 163        | WRA2   | s                | MID-FLOOD | 6-Jun-07             |         |          | 28.5         | 5.49         | 5.52         | 0.00              | 77.6         | 77.4         | 7.9        | 23.6          | 6.5        | 6.5        | <u> </u> | 11.5        |         |
| 164        | WRA2   | M                | MID-FLOOD | 6-Jun-07             | 10:33   | 36.00    | 28.4         | 5.60         | 5.54         | 5.54              | 79.6         | 78.8         | 7.9        | 24.2          | 6.1        | 6.2        |          | 11.0        | ı       |
| 165        | WRA2   | В                | MID-FLOOD | 6-Jun-07             |         |          | 28.3         | 5.70         | 5.60         | 5,65              | 84.2         | 84.1         | 7,9        | 24,8          | 6.3        | 6.3        | 6.3      | 21.0        | 14.5    |
| 166        | WRA3   | S                | MID-FLOOD | 6-Jun-07             |         |          | 27.7         | 5.43         | 5.41         |                   | 75.8         | 75.6         | 7.9        | 27.7          | 7.1        | 7.1        | -        | 10.0        |         |
| 167        | WRA3   | M                | MID-FLOOD | 6-Jun-07             | 10:20   | 36.80    | 28.8         | 5.56         | 5.51         | 5.48              | 77.9         | 78.6         | 7.9        | 23.3          | 7.2        | 7.2        |          | 20.5        | ı       |
| 168        | WRA3   |                  | MID-FLOOD | 6-Jun-07             | ļ       | 1        | 28.7         | 5.47         | 5.40         | 5,44              | 76.7         | 76.5         | 7.9        | 23.3          | 6.2        | 6.2        | 6.8      | 9.0         | 13.2    |
| 169        | WWFC21 |                  | MID-FLOOD | 6-Jun-07             |         |          | 30.1         | 5.51         | 5.46         |                   | 81.0         | 80.2         | 7.9        | 28.6          | 9,9        | 9.7        |          | 14,0        |         |
| 170        | WWFC21 | М                | MID-FLOOD | 6-Jนก-07             | 9:42    | 38.40    | 29.1         | 5.44         | 5.40         | 5.45              | 78.6         | 78.0         | 7.9        | 25.5          | 5,6        | 5.8        |          | 12.0        |         |
|            | WWFCZ1 | В                | MID-FLOOD | 6-Jun-07             |         | ŀ        | 28.8         | 5.50         | 5.48         | 5.49              | 77.4         | 77.0         | 7.9        | 25.5          | 4.9        | 4.9        | 6.8      | 8.0         | 11.3    |
| 172        | WWFCZ2 | s                | MID-FLOOD | 6-Jun-07             |         |          | 28.7         | 5.42         | 5.40         |                   | 79.4         | 78.1         | 7.9        | 25.0          | 6.1        | 6.1        |          | 9.5         |         |
| 173        | WWFCZ2 | M                | MID-FLOOD | 6-Jun-07             | 9:55    | 39.00    | 28.3         | 5.54         | 5.49         | 5.46              | 78.3         | 77.6         | 7.9        | 26.3          | 4.2        | 4.2        |          | 5.5         |         |
| 174        | WWFCZ2 | В                | MID-FLOOD | 6-Jun-07             |         |          | 28.2         | 5.40         | 5.35         | 5.38              | 77.2         | 76.7         | 7.9        | 25.8          | 4.5        | 4.6        | 4.9      | 10.0        | 8.3     |
| 175        | WFCZR1 | s                | MID-FLOOD | 6-Jun-07             |         |          | 29.7         | 5,50         | 5.42         | <b> </b>          | 81.9         | 81,2         | 7,9        | 24.8          | 4.4        | 4.5        |          | 17.5        |         |
| 176        | WFCZR1 | м                | MID-FLOOD | 6-Jun-07             | 9:30    | 39.30    | 28.8         | 5.43         | 5.40         | 5.44              | 82.7         | 82.1         | 7.9        | 27.2          | 4.3        | 4.2        |          | 19.0        |         |
| 177        | WFCZR1 | В                | MID-FLOOD | 6-Jun-07             | 1       | j        | 28.0         | 5.43         | 5.41         | 5.42              | 80.1         | 78.9         | 7.9        | 29.1          | 5.0        | 5.1        | 4.6      | 10.0        | 15.5    |

Dana # Af 18

| _   |          |          |           |               |       |          |       | 1        |          |                   | DO, %      | DO, %      |          |               |            |            | NTU,  | f           | SS.        |
|-----|----------|----------|-----------|---------------|-------|----------|-------|----------|----------|-------------------|------------|------------|----------|---------------|------------|------------|-------|-------------|------------|
| Lab |          |          | 1         |               |       | Water    | Temp. | DO, mg/L | DO, mg/L |                   | saturation | saturation |          |               | Turbidity, | Turbidity, |       | Suspended   |            |
| ID  | Location | Position | Tide      | Sampling Date | Time  | deplh, m | °C    | (1)      | (2)      | DO, Average value | (1)        | (2)        | pH, Unit | Salinity, ppt | NTU (1)    | NTU (2)    | Value | Solid, mg/L | Value      |
| 178 | WFCZR2   | S        | MID-FLOOD | 6-Jun-07      |       |          | 27.6  | 5.46     | 5.40     |                   | 80.4       | 79.6       | 7.9      | 28.0          | 7.0        | 7.1        |       | 11.5        |            |
|     | WFCZR2   | M        | MID-FLOOD | 6-Jun-07      | 10:08 | 37.60    | 27.6  | 5.56     | 5.52     | 5.49              | 79.7       | 79.2       | 7.9      | 26.7          | 4.2        | 4.4        |       | 13.0        | l i        |
|     | WFCZR2   | 8        | MID-FLOOD | 6-Jun-07      |       |          | 27.6  | 5.43     | 5.44     | 5.44              | 77,6       | 77.2       | 7.9      | 25.7          | 4.9        | 4.9        | 5.4   | 5.5         | 10,0       |
| 181 | WWA1     | 5        | MID-EBS   | 8-Jun-07      |       |          | 29.4  | 5,60     | 5.57     |                   | 82.1       | 81.4       | 7.9      | 14.4          | 7.0        | 6.9        |       | 13.0        | i i        |
| 182 | WWA1     | M        | MID-EBB   | 8-Jun-07      | 11:23 | 6.60     | 29.2  | 5.69     | 5.61     | 5.62              | 77.2       | 77.9       | 7.9      | 14.5          | 5.8        | 5.7        |       | 9.0         | ] }        |
| 183 | WWA1     | В        | MID-EBB   | 8-Jun-07      | 1     |          | 29.2  | 6.05     | 6.03     | 6.04              | 84.0       | 81.9       | 7.9      | 15.3          | 7.2        | 7.2        | 6.6   | 5.0         | 9.3        |
| 184 | WWA2     | s        | MJD-EBB   | 8-Jun-07      |       |          | 29.7  | 5.67     | 5,62     |                   | 83,2       | 82.8       | 7.9      | 14.6          | 7.1        | 7.1        |       | 13.0        |            |
| 185 | WWA2     | М        | MID-EBB   | 8-Jun-07      | 11:32 | 7.30     | 29.5  | 5.76     | 5.71     | 5.69              | 86.4       | 86.3       | 7.9      | 14.2          | 7.2        | 7.2        |       | 8.0         | !          |
| 186 | WWA2     | В        | MID-EBB   | 8-Jun-07      |       |          | 29.2  | 5.70     | 5.68     | 5.69              | 81.5       | 81,3       | 7.9      | 15.0          | 7.0        | 7.1        | 7.1   | 8.5         | 9.8        |
| 187 | WWA3     | S        | MID-EBB   | 8-Jun-07      |       |          | 31.9  | 5.76     | 5.72     |                   | 80.6       | 80.1       | 7.9      | 13,5          | 6.9        | 6.8        |       | 6.5         |            |
| 188 | WWA3     | м        | MID-EBB   | 8-Jun-07      | 11:41 | 7.00     | 29,9  | 5.49     | 5.44     | 5.60              | 81,9       | 80.7       | 7.9      | 31.8          | 6.7        | 6.8        |       | 7.0         |            |
| 189 | WWA3     | 8        | MID-EBB   | 8-Jun-07      | 1     |          | 29.6  | 5,64     | 5.63     | 5.64              | 81.2       | 9.08       | 7.9      | 14.8          | 7.0        | 6.9        | 6,8   | 11.5        | 8.3        |
| 190 | WRA1     | S        | MID-EBB   | 8-Jun-07      |       |          | 29.4  | 5.42     | 5.40     |                   | 78.2       | 77.9       | 7.9      | 14,8          | 7.4        | 7.3        |       | 14.5        |            |
| 191 | WRA1     | M        | MID-EBB   | 8-Jun-07      | 11:13 | 29.60    | 29.0  | 5.60     | 5.59     | 5.50              | 78.0       | 77.2       | 7.9      | 17.9          | 7.2        | 7.1        |       | 14.0        | 1          |
| 192 | WRA1     | В        | MID-EBB   | 8-Jun-07      |       |          | 28.4  | 5.40     | 5.36     | 5,38              | 80.9       | 78.7       | 7.9      | 15,5          | 6.8        | 6.7        | 7.1   | 5.0         | 11.2       |
| 193 | WRA2     | S        | MID-EBB   | 8-Jun-07      |       |          | 29,2  | 5.86     | 5,80     |                   | 81.0       | 80.2       | 7.9      | 18.1          | 7.0        | 6.9        |       | 7.0         | 1          |
| 194 | WRA2     | M        | MID-EBB   | 8-Jun-07      | 11:00 | 28.00    | 29.1  | 5,58     | 5.61     | 5.71              | 82.6       | 80.9       | 7.9      | 16,9          | 7.0        | 6.8        |       | 6.0         |            |
| 195 | WRA2     | В        | MID-EBB   | 8-Jun-07      | i     |          | 27.3  | 5.36     | 5.33     | 5.35              | 73.6       | 73.5       | 7.9      | 26.0          | 6.5        | 6.4        | 6.8   | 6.0         | 6.3        |
| 196 | WRA3     | Š        | MID-EBB   | 8-Jun-07      | -     |          | 29.2  | 5.47     | 5.44     |                   | 80.7       | 78.9       | 7.9      | 15,2          | 6.2        | 6.3        |       | 26.5        | 1 1        |
| 197 | WRA3     | М        | MID-EBB   | 8-Jun-07      | 10:49 | 28.60    | 29.1  | 5.90     | 5.85     | 5.67              | 83.4       | 83.0       | 7.9      | 16.7          | 6.8        | 6.7        |       | 7.5         | !          |
| 198 | WRA3     | В        | MID-EBB   | 8-Jun-07      |       |          | 27.9  | 5.60     | 5.52     | 5.56              | 75.9       | 75.7       | 7.9      | 25.3          | 6.5        | 6.4        | 6.5   | 6.0         | 13.3       |
|     | WWFCZ1   | 8        | MID-EBB   | 8-Jun-07      |       |          | 29,0  | 5.76     | 5.78     |                   | 82.4       | 81.8       | 7.9      | 15.3          | 7.2        | 7.2        |       | 16.5        |            |
| 200 | WWFCZ1   | М        | MID-EBB   | 8-Jun-07      | 10:12 | 38.40    | 29.0  | 5.56     | 5.48     | 5.65              | 76.6       | 77.2       | 7.9      | 17.1          | 4.5        | 4.5        |       | 9.0         |            |
|     | WWFCZ1   | В        | MID-EBB   | 8-Jun-07      | 1     |          | 27.4  | 5.51     | 5.46     | 5.49              | 78.5       | 78.0       | 7.9      | 29.5          | 3.7        | 3,7        | 5.1   | 6.5         | 10.7       |
| 202 | WWFCZ2   | s        | MID-EBB   | 8-Jun-07      |       |          | 28.8  | 5.48     | 5.42     |                   | 86.4       | 85.2       | 7.9      | 15.9          | 5.7        | 5.7        | 1     | 5,5         | }          |
| 203 | WWFC22   | М        | MID-EBB   | 8-Jun-07      | 10:25 | 39.50    | 28,6  | 5.50     | 5.41     | 5.45              | 80.6       | 79.5       | 7.9      | 15.9          | 3.9        | 3,8        | 1     | 8.0         | ]          |
| 204 | WWFCZ2   | В        | MID-EBB   | 8-Jun-07      | 1 1   |          | 27.1  | 5.60     | 5,62     | 5.61              | 76.0       | 75.2       | 7.9      | 26.2          | 2.5        | 2.4        | 4.0   | 9.5         | 7.7        |
| 205 | WFCZR1   | S        | MID-EBB   | 8-Jun-07      |       |          | 28.5  | 5.69     | 5.62     |                   | 77.8       | 76.5       | 7.9      | 15.7          | 5.4        | 5.3        |       | 10.5        | 1          |
| 206 | WFCZR1   | М        | MID-EBB   | 8-Jun-07      | 10:00 | 41.60    | 28.5  | 5.58     | 5.61     | 5.63              | 81.6       | 80.8       | 7.9      | 16.5          | 4.0        | 3.9        | 1     | 6.0         |            |
| 207 | WFCZR1   | В        | MID-EBB   | 8-Ju⊓-07      | 1 1   |          | 27.3  | 5.68     | 5.63     | 5.66              | 80.0       | 79.6       | 7.9      | 25.7          | 3,6        | 3.6        | 4.3   | 6.0         | 7.5        |
| 208 | WFCZR2   | ş        | MID-EBB   | 8-Jun-07      |       |          | 29.1  | 5.64     | 5.63     |                   | 79.5       | 79.9       | 7.9      | 15.1          | 10.0       | 10,9       |       | 12.5        |            |
| 209 | WFCZR2   | М        | MID-EBB   | 8-Jun-07      | 10:37 | 40,70    | 29.0  | 5.58     | 5.62     | 5.62              | 78.1       | 78.6       | 7.9      | 17.5          | 3.3        | 3.3        |       | 5,5         |            |
| 210 | WFCZR2   | В        | MID-EBB   | 8-Jun-07      | 1 1   |          | 27.0  | 5.33     | 5.32     | 5.33              | 74,9       | 74.2       | 7.9      | 26.5          | 3.4        | 3.4        | 5.7   | 6.5         | 8.2        |
| 211 | WWA1     | · · · s  | MID-FLOOD | 8-Jun-07      |       |          | 30.5  | 7.13     | 7,04     |                   | 107.4      | 106.2      | 7.9      | 15.6          | 4.4        | 4.5        |       | 6.5         |            |
| 212 | WWA1     | М        | MID-FLOOD | 8-Jun-07      | 16:08 | 7.20     | 30.1  | 6.03     | 6.07     | 6,57              | 87.9       | 86,0       | 7.9      | 16.6          | 4.2        | 4.2        |       | 5.5         | ا ا        |
| 213 | WWA1     | В        | MID-FLOOD | 8-Jun-07      |       | '        | 29.6  | 5.46     | 5.42     | 5.44              | 79.2       | 78.8       | 7,9      | 18.5          | 3.7        | 3.5        | 4.1   | 13.0        | 8.3        |
| 214 | WWA2     | S        | MID-FLOOD | 8-Jun-07      |       |          | 30.0  | 7.68     | 7.61     |                   | 113.1      | 112.9      | 7.9      | 15.9          | 4.2        | 4.3        |       | 8.5         | ı l        |
| 215 | WWA2     | М        | MID-FLOOD | 8-Jun-07      | 16:18 | 7.70     | 29.9  | 6.99     | 6.95     | 7.31              | 100.4      | 100.1      | 7.9      | 16.4          | 4.0        | 4.1        |       | 11.0        | {          |
| 216 | WWA2     | В        | MID-FLOOD | 8-Jun-07      |       |          | 29,8  | 6.40     | 6.36     | 6.38              | 98.5       | 99.1       | 7.9      | 16.3          | 4.5        | 4,5        | 4.3   | 7.0         | 8.8        |
| 217 | WWA3     | S        | MID-FLOOD | 8-Jun-07      |       |          | 29.8  | 6.57     | 6.52     |                   | 99.5       | 100.3      | 7.9      | 16.0          | 5,2        | 5.1        |       | 5.5         | ļ l        |
| 218 | WWA3     | М        | MID-FLOOD | 8-Jun-07      | 16:28 | 7.30     | 29.1  | 6.36     | 6,34     | 6.45              | 94.7       | 93.7       | 7.9      | 16.3          | 5,0        | 4.8        | ٠     | 11.0        | l          |
| 219 | WWA3     | В        | MID-FLOOD | 8-Jun-07      |       |          | 29.1  | 7.06     | 7.01     | 7.04              | 102.5      | 102.8      | 7.9      | 16.5          | 5.2        | 5.2        | 5.1   | 7.0         | 7.8        |
| 220 | WRA1     | S        | MID-FLOOD | 8-Jun-07      |       |          | 29.8  | 7,13     | 7.15     |                   | 103.8      | 104.2      | 7.9      | 16.0          | 6.2        | 6.1        |       | 14.5        | į l        |
| 221 | WRA1     | М        | MID-FLOOD | 8-Jun-07      | 15:57 | 31.90    | 20.9  | 5.40     | 5,37     | 6.26              | 83.7       | 82.6       | 7.9      | 21.9          | 5,6        | 5.6        | J     | 7,5         | j <b>i</b> |
|     |          |          |           |               |       |          |       |          |          |                   |            |            |          |               |            |            |       |             |            |

 $Green @project 24583 env\_data unarine impact Data Evaluation monthly \\$ 

Page 5 of 18

|            |              |          |                    |                        |        |          |       |              |                 |                   |                   | W-5'-1/"          |            |               |            |            | NTU.     |             | ss.         |
|------------|--------------|----------|--------------------|------------------------|--------|----------|-------|--------------|-----------------|-------------------|-------------------|-------------------|------------|---------------|------------|------------|----------|-------------|-------------|
|            |              |          |                    |                        |        |          | Temp. |              | BO"             |                   | DO, %             | DO, % saturation  |            |               | Turbidity. | Yurbidity. | Averaged | Suspended   |             |
| Lab        |              |          | ·                  | a                      | ****** | Water    | °C    | DO, mg/L     | DO, mg/L<br>(2) | DO, Average value | saturation<br>(1) | Saturation<br>(2) | nH Linit   | Salinity, ppt |            | NTU (2)    | Value    | Solid, mg/L | Value       |
| ID.        | Location     |          | Tide               | Sampling Date          | Time   | depth, m |       | (1)          |                 |                   | 80.9              | 78.6              | 7.9        | 25.2          | 4.7        | 4.6        | 5.5      | 5,5         | 9.2         |
| 222        | WRA1         | В        | MID-FLOOD          | 8-Jun-07               |        |          | 28.1  | 5.63<br>6.60 | 5,60<br>6,58    | 5.62              | 97.6              | 97.3              | 7.9        | 16,3          | 5.1        | 5.2        |          | 9.5         |             |
| 223        | WRA2         | S        | MID-FLOOD          | 8-Jun-07               | 15:45  | 30.00    | 29.6  | 6.13         | 6.10            | 6.35              | 90.6              | 89.8              | 7.9        | 17.0          | 4.7        | 4.8        |          | 9.0         | 1           |
| 224        | WRA2         | M<br>B   | MID-FLOOD          | 8-Jun-07<br>8-Jun-07   | 15.45  | 30,00    | 29.1  | 6.10         | 6.24            | 6.17              | 85.1              | 83.7              | 7.9        | 20.6          | 5.1        | 5.3        | 5.0      | 8.0         | 8.8         |
| 225        | WRA2<br>WRA3 | <u>в</u> | MID-FLOOD          | 8-Jun-07               |        |          | 29.5  | 6.02         | 6.00            |                   | 89.6              | 88.0              | 7.9        | 16.5          | 4,6        | 4.6        |          | 58.5        |             |
| 227        | WRA3         | · M      | MID-FLOOD          | 8-Jun-07               | 15:34  | 29.70    | 29.0  | 6.10         | 6.07            | 6.05              | 90.1              | 88.8              | 7.9        | 19.4          | 5,1        | 5.1        |          | 5.5         |             |
| 228        | WRA3         | B B      | MID-FLOOD          | 8-Jun-07               | 14.2.  |          | 29.1  | 5.81         | 5.76            | 5.79              | 81.0              | 80.7              | 7.9        | 20.7          | 4,8        | 4.8        | 4.8      | 5.5         | 23.2        |
|            | WWFCZ1       | s        | MID-FLOOD          | 8-Jun-07               |        |          | 29.2  | 6,29         | 6.31            |                   | 90.2              | 89.9              | 7.9        | 18.4          | 5.6        | 5.6        |          | 9.0         |             |
|            | WWFCZ1       | M        | MID-FLOOD          | 8-Jun-07               | 14:57  | 39,60    | 28.2  | 5.75         | 5.47            | 5.96              | 80.1              | 79.4              | 7.9        | 26.0          | 5.2        | 5.2        |          | 10.0        |             |
|            | WWFCZ1       | В        | MID-FLOOD          | 8-Jun-07               |        |          | 28,0  | 5.85         | 5.79            | 5.82              | 97.0              | 97.7              | 7.9        | 19.4          | 4.2        | 5,0        | 5.1      | 9.0         | 9,3         |
|            | WWFCZ2       | s        | MID-FLOOD          | 8-Jun-07               |        |          | 31.5  | 6.50         | 6.47            |                   | 89.4              | 89.5              | 7.9        | 19.7          | 4,0        | 3.9        |          | 11.5        |             |
|            | WWFCZ2       | М        | MID-FLOOD          | 8-Jun-07               | 15:10  | 41.00    | 30.7  | 6.64         | 6.52            | 6.53              | 87.0              | 86.7              | 7.9        | 20.1          | 4.4        | 4.3        |          | 7.0         |             |
|            | WWFCZ2       | В        | MID-FLOOD          | 8-Jun-07               |        |          | 28.7  | 6.56         | 6.51            | 6.54              | 84.0              | 83.6              | 7.9        | 1B.9          | 4.7        | 4.7        | 4.3      | 10.0        | 9.5         |
| 235        | WFCZR1       | ş        | MID-FLOOD          | 8-Jun-07               |        |          | 30.3  | 6.41         | 6.32            | ]                 | 81.7              | 80.2              | 7.9        | 18.2          | 5.2        | 5.1        |          | 5.0         | 1           |
| 236        | WFCZR1       | M        | MID-FLOOD          | 8-Jun-07               | 14:45  | 42.30    | 30.1  | 6.10         | 6.02            | 6.21              | 79.6              | 78.9              | 7.9        | 19.7          | 3.4        | 3.4        |          | 5.5         |             |
| 237        | WFCZR1       | В        | MID-FLOOD          | 8-Jun-07               |        |          | 28.9  | 6,07         | 5.97            | 6.02              | 79.7              | 78.2              | 7.9        | 20.9          | 4.0        | 4.1        | 4.2      | 6.5         | 5.7         |
| 238        | WFCZR2       | S        | MID-FLOOD          | 8-Jun-07               |        |          | 29.7  | 6.26         | 6.20            |                   | 89.3              | 88.1              | 7,9        | 15.6          | 3.5        | 3.4        |          | 5.0         | 1           |
|            | WFCZR2       | M        | MID-FLOOD          | 8-Jun-07               | 15:22  | 41.40    | 29.4  | 5,96         | 5.90            | 6.08              | 87.2              | 87,0              | 7.9        | 16.9          | 3.2        | 3.3        |          | 16.0<br>8.0 | 9.7         |
| 240        | WFCZR2       | В        | MID-FLOOD          | 8-Jun-07               |        |          | 28.2  | 5.60         | 5,57            | 5.59              | 86.0              | 85.1              | 7.9        | 24.9          | 3,9        | 4.1        | 3.6      | 5.0         | 9.7         |
| 241        | WWA1         | S        | MID-EBB            | 11-Jun-07              |        |          | 28.4  | 5.78         | 5.74            | ļ                 | 81.1              | 80.6<br>79.3      | 7.9<br>7.9 | 21.6<br>21.0  | 5.4<br>5.0 | 5.5<br>4.9 |          | 6.0         | 1           |
| 242        | WWA1         | М        | MID-EB8            | 11-Jun-07              | 10;30  | 6.80     | 28.0  | 5.60         | 5.52            | 5.66              | 79.7              |                   |            | 20.8          | 5.0        | 5,5        | 5.3      | 5.0         | 5.3         |
| 243        | WWA1         | В        | MID-EBB            | 11-Jun-07              |        |          | 27.9  | 5.41         | 5,40            | 5.41              | 78.0              | 78.0<br>80.5      | 7.9        | 22.0          | 6.0        | 6.1        | 3.0      | 5.0         |             |
| 244        | WWA2         | Ś        | MID-EB9            | 11-Jun-07              |        |          | 28.6  | 5.80         | 5.79            |                   | 8,08<br>0.08      | 78,3              | 7.9        | 21.7          | 6.0        | 5.9        |          | 6.0         | l           |
| 245        | WWA2         | M        | MID-EBB            | 11-Jun-07              | 10:43  | 7.10     | 28,3  | 5,52         | 5.48<br>5.41    | 5.65<br>5.44      | 76.2              | 76.0              | 7.9        | 21.2          | 5.7        | 5.4        | 5.9      | 6.0         | 5.7         |
| 246        | WWA2         | В        | MID-EB8            | 11-Jun-07              |        |          | 28.0  | 5.47<br>5.70 | 5.59            | 3.44              | 78.7              | 79.2              | 7.9        | 20.6          | 5.8        | 5.8        | 0.5      | 5.0         | <del></del> |
| 247        | WWA3         | S        | MID-EBB            | 11-Jun-07              | 10:57  | 6.90     | 28.5  | 5.63         | 5.56            | 5,62              | 78.1              | 77.5              | 7.9        | 21.9          | 5.2        | 5.3        |          | 6.0         | 1           |
| 248        | WWA3         | М        | MID-EBB<br>MID-EBB | 11-Jun-07<br>11-Jun-07 | 10.51  | 0.50     | 28,1  | 5.50         | 5.45            | 5,48              | 77.3              | 77.0              | 7.9        | 21.9          | 5.1        | 5.2        | 5.4      | 6.5         | 5.8         |
| 249        | WWA3         | B        | MID-EBB            | 11-Jun-07              |        |          | 28.6  | 5.77         | 5.70            | 3.40              | 79.7              | 79,2              | 7.9        | 21.7          | 5,0        | 4.9        |          | 6.0         |             |
| 250        | WRA1         | M        | MID-EBB            | 11-Jun-07              | 10:18  | 30.70    | 28.1  | 5,57         | 5.52            | 5.64              | 78.6              | 78.3              | 7.9        | 22.9          | 5.3        | 5.2        |          | 6.5         | 1           |
| 251<br>252 | WRA1         | - B      | MID-EBB            | 11-Jun-07              | 10.10  | 55.15    | 27.9  | 5.47         | 5.41            | 5.44              | 77.2              | 77.0              | 7.9        | 22.6          | 3.1        | 3.2        | 4.4      | 19.5        | 11.3        |
| 253        | WRA2         | S        | MID-EBB            | 11-Jun-07              |        |          | 28.7  | 5.70         | 5.62            |                   | 78.7              | 78.4              | 7.9        | 21.0          | 5.1        | 5.2        |          | 5.0         |             |
| 254        | WRA2         | M        | MID-EBB            | 11-Jun-07              | 10:03  | 30.90    | 28.5  | 5.68         | 5,63            | 5.66              | 76,5              | 76.1              | 7.9        | 22.3          | 5.0        | 4,9        |          | 5.0         | 1           |
| 255        | WRA2         | B        | MID-EBB            | 11-Jun-07              |        |          | 28.0  | 5.53         | 5.48            | 5.51              | 77.8              | 77.3              | 7.9        | 22.4          | 5.2        | 5.1        | 5.1      | 12,0        | 7.3         |
| 256        | WRA3         | s        | MID-EBB            | 11-Jun-07              |        |          | 28.6  | 5,77         | 5.74            |                   | 76.6              | 76,3              | 7.9        | 20.6          | 6.0        | 6.1        |          | 6.0         |             |
| 257        | WRA3         | M        | MID-EBB            | 11-Jun-07              | 9:55   | 29.10    | 28.3  | 5.59         | 5,53            | 5.66              | 78.5              | 78.1              | 7.9        | 20.8          | 5.0        | 4.9        |          | 7.5         | ı           |
| 258        | WRA3         | B        | MID-EBB            | 11-Jun-07              |        |          | 28.0  | 5.62         | 5.57            | 5.60              | 77.6              | 77.3              | 7,9        | 20.7          | 3.8        | 3.9        | 5.0      | 5.5         | 5.3         |
|            | WWFCZ1       | S        | MID-EBB            | 11-Jun-07              |        |          | 28.9  | 5.70         | 5.68            |                   | 82.9              | 82.4              | 7.9        | 22.3          | 5.5        | 5.5        |          | 5.5         | I           |
|            | WWFCZ1       | М        | MID-EBB            | 11-Jun-07              | 9:13   | 39.20    | 28.3  | 5.76         | 5.72            | 5.72              | 80.7              | 80.1              | 7.9        | 23.0          | 4.6        | 4.6        |          | 5.0         |             |
|            | WWFCZ1       | В        | MID-EBB            | 11-Jun-07              |        |          | 28.0  | 5,61         | 5.58            | 5.60              | 79.6              | 79.3              | 7.9        | 21.6          | 4.2        | 4.4        | 4.8      | 6.0         | 5.5         |
|            | WWFCZ2       | s        | MID-E8B            | 11-Jun-07              |        |          | 28.5  | 5.74         | 5.69            |                   | 80.7              | 80.0              | 7.9        | 22.0          | 5.0        | 4.9        |          | 5.0         | 1           |
| 263        | WWFCZZ       | M        | MID-EBB            | 11-Jun-07              | 9:28   | 39,50    | 28.0  | 5.72         | 5.66            | 5.70              | 79.0              | 78.2              | 7.9        | 21.7          | 4.2        | 4.3        |          | 5,5         | ۱           |
| 264        | WWFCZ2       | В        | MID-EBB            | 11-Jun-07              |        |          | 27.9  | 5.58         | 5.51            | 5.55              | 77.1              | 77,4              | 7.9        | 21.7          | 4.0        | 3.8        | 4.3      | 9.5         | 6.7         |
| 265        | WFCZR1       | S        | MID-EBB            | 11-Jun-07              |        |          | 28.7  | 5.47         | 5.40            |                   | 77.6              | 77,5              | 7.9        | 20,6          | 5.8        | 5.7        |          | 6.0         | i           |

|     |          | · · · · · · |                        |                        | <del></del> |          |              | I .          | f T          |                   | DO, %        | 00,%         | Y          | T T           |            | 1          | NTU,     |             | SS,     |
|-----|----------|-------------|------------------------|------------------------|-------------|----------|--------------|--------------|--------------|-------------------|--------------|--------------|------------|---------------|------------|------------|----------|-------------|---------|
| Lab |          |             |                        |                        |             | Water    |              | DO, mg/L     | DO, mg/L     |                   | saturation   | saturation   |            |               | Turbidity, | Turbidity, | Averaged | Suspended   | Average |
| LD. | Location | Position    | Tide                   | Sampling Date          | Time        | depth, m | ပို          | (1)          | (2)          | DO, Average value | (1)          | (2)          | pH, Unit   | Salinity, ppt | NTU (1)    | NTU (2)    | Value    | Solid, mg/L | Value   |
| 266 | WFCZR1   | بر Mِ       | M)D-EBB                | 11-Jun-07              | 9:00        | 40.80    | 28.7         | 5.76         | 5.70         | 5.58              | 78.6         | 78.4         | 7.9        | 21.8          | 5.1        | 5.2        |          | 5.0         |         |
| 267 | WFCZR1   | ъ В         | MID-EBB                | 11-Jun-07              | l           |          | 28.1         | 5.81         | 5.79         | 5.80              | 81.0         | 80.6         | 7,9        | 21.6          | 3.2        | 3,5        | 4.7      | 7.5         | 6.2     |
| 268 | WFCZR2   |             | MID-E8B                | 11-Jun-07              | 1           |          | 29.1         | 5,42         | 5.40         |                   | 76.7         | 76.3         | 7.9        | 23.2          | 6.1        | 6.1        |          | 6.5         |         |
| 269 | WFCZR2   |             | MID-EBB                | 11-Jun-07              | 9:42        | 40.60    | 28.6         | 5.71         | 5.66         | 5.55              | 78.7         | 78.4         | 7.9        | 21.8          | 5.0        | 4.9        |          | 5.0         | ĺ       |
| 270 | WFCZR2   | . B         | MID-EBB                | 11-Jun-07              |             |          | 28.4         | 5.53         | 5.50         | 5.52              | 77.5         | 77.3         | 7.9        | 21.4          | 4.1        | 4.2        | 5.1      | 6.0         | 5.8     |
| 271 | WWA1     | S           | MID-FLOOD              | 11-Jun-07              | l :         |          | 29,7         | 5,80         | 5.75         |                   | 62.7         | 82.3         | 7.9        | 25.7          | 5.4        | 5.4        |          | 6.0         |         |
| 272 | WWA1     | M           | MID-FLOOD              | 11-Jun-07              | 16:30       | 7.10     | 29.1         | 5.77         | 5.72         | 5.76              | 81.0         | 80.3         | 7.9        | 28,3          | 6.0        | 5.9        |          | 7.5         | İ       |
| 273 | WWA1     | В           | MiD-FLOOD              | 11-Jun-07              | ļ           |          | 29.3         | 5.60         | 5.56         | 5.58              | 79.2         | 78.6         | 7.9        | 25.4          | 5.8        | 5.8        | 5.7      | 7.0         | 6.8     |
| 274 | WWA2     | S:          | MID-FLOOD              | 11-Jun-07              |             |          | 29.4         | 5.83         | 5,79         |                   | 80.6         | 78.9         | 7.9        | 25.0          | 6.2        | 6.1        |          | 5.5         | İ       |
| 275 | WWA2     | W2          | MID-FLOOD              | 11-Jun-07              | 16:44       | 7.40     | 29.0         | 5.71         | 5.58         | 5.73              | 79,5         | 79,1         | 7.9        | 25.6          | 5.2        | 5,2        |          | 5.5         |         |
| 276 | WWA2     | B           | MID-FLOOD              | 11-Jun-07              |             |          | 29.0         | 5.64         | 5.61         | 5.63              | 77.5         | 77.0         | 7.9        | 25.7          | 5.9        | 5.9        | 5.8      | 5.5         | 5,5     |
| 277 | WWA3     | M.          | MID-FLOOD<br>MID-FLOOD | 11-Jun-07<br>11-Jun-07 | 16:59       | 7.00     | 28.6<br>28.5 | 5.79<br>5.60 | 5.73<br>5.50 |                   | 79.1<br>77.9 | 78.6<br>77.6 | 7.9        | 25.4          | 5.5        | 5.5        |          | 6.0<br>7.0  |         |
| 278 | WWA3     | B           | MID-FLOOD              | 11-Jun-07              | 10.55       | 7.00     | 28.7         | 5,49         | 5.45         | 5.66<br>5.47      | 77.8         | 77.2         | 7.9<br>7.9 | 25.6<br>25.7  | 5.2<br>4.9 | 5.2        | 5.2      | 5.5         |         |
| 280 | WRA1     | S *         | M!D-FLOOD              | 11-Jun-07              |             |          | 29.3         | 5.61         | 5.56         | 5.47              | 77.0         | 76.5         | 7.9        | 25.7          | 4.9        | 4.8        | 5.2      | 7.0         | 6.2     |
| 281 | WRAT     | M           | MID-FLOOD              | 11-Jun-07              | 16:17       | 31.20    | 29.0         | 5.52         | 5.47         | 5,54              | 76.7         | 76.3         | 7.9        | 25.4          | 5.9        | 5.9        |          | 7.5         |         |
| 282 | WRA1     | B           | MID-FLOOD              | 11-Jun-07              | 10.77       | 31.20    | 29.1         | 5.41         | 5.40         | 5.41              | 76.9         | 76.3         | 7.9        | 25.6          | 5.8        | 5.7        | 5.4      | 5.0         | 6.5     |
| 283 | WRA2     |             | MID-FLOOD              | 17-Jun-07              |             |          | 29.5         | 5.58         | 5.54         | V.+t              | 77.8         | 77.5         | 7.9        | 25.6          | 5.3        | 5.1        | 3.4      | 6.5         | 0.3     |
| 284 | WRA2     | й-          | MID-FLOOD              | 11-Jun-07              | 16:02       | 31.00    | 29.3         | 5.49         | 5.46         | 5.52              | 77.1         | 76.2         | 7.9        | 25.5          | 4.4        | 4.5        |          | 6.0         |         |
| 285 | WRA2     | В "         | MID-FLOOD              | 11-Jun-07              |             | 07.00    | 29.2         | 5,52         | 5.47         | 5.50              | 77.5         | 77.4         | 7.9        | 25.5          | 5.9        | 6.0        | 5.2      | 8.5         | 7.0     |
| 286 | WRA3     |             | MID-FLOOD              | 11-Jun-07              |             |          | 29.7         | 5,50         | 5.46         |                   | 78.D         | 77.6         | 7.9        | 25.3          | 6.1        | 6.2        | 3,2      | 5.0         | 7.0     |
| 287 | WRA3     | M           | MID-FLOOD              | 11-Jun-07              | 15:50       | 29.50    | 29.6         | 5.42         | 5.40         | 5.45              | 79.5         | 79.2         | 7,9        | 25.4          | 4.7        | 4.6        |          | 5.5         | 1       |
| 288 | WRA3     | В ¬         | MID-FLOOD              | 11-Jun-07              | i i         |          | 29.4         | 5.47         | 5.41         | 5.44              | 77.8         | 77.4         | 7.9        | 25.7          | 3.5        | 3.6        | 4.8      | 5.5         | 5.3     |
|     | WWFCZ1   |             | MID-FLOOD              | 11-Jun-07              |             |          | 29.3         | 5.56         | 5,52         |                   | 78.0         | 77.3         | 7.9        | 24.7          | 5.6        | 5.5        |          | 5.0         |         |
| 290 | WWFCZ1   | M           | MID-FLOOD              | 11-Jun-07              | 15:10       | 39.50    | 29.0         | 5.47         | 5.41         | 5,49              | 78.6         | 78.4         | 7.9        | 23.3          | 4.5        | 4.5        |          | 6.0         | •       |
| 291 | WWFCZ1   | В           | MID-FLOOD              | 11-Jun-07              |             |          | 28.7         | 5.60         | 5,58         | 5.59              | 77.9         | 77.8         | 7.9        | 24.6          | 4.1        | 4.1        | 4.7      | 5.0         | 5.3     |
| 292 | WWFC22   | s .         | MID-FLOOD              | 11-Jun-07              |             |          | 29.1         | 5.70         | 5.61         |                   | 78.3         | 78,1         | 7.9        | 25.7          | 5.6        | 5.1        |          | 5,0         |         |
| 293 | WWFCZ2   | M           | MID-FLOOD              | 11-Jun-07              | 15:22       | 40.70    | 28.9         | 5.77         | 5.73         | 5.70              | 77.6         | 77.0         | 7.9        | 25.2          | 3.9        | 3.8        |          | 8.0         | 1       |
| 294 | WWFC22   | 8           | MID-FLOOD              | 11-Jun-07              |             | 1        | 28.5         | 5.53         | 5.46         | 5.50              | 76.9         | 76.5         | 7,9        | 25.6          | 2.5        | 2.6        | 3.9      | 5.0         | 6.0     |
|     | WFCZR1   | S           | MID-FLOOD              | 11-Jun-07              |             |          | 29.4         | 5.68         | 5.63         |                   | 78.8         | 78.4         | 7.9        | 25.6          | 6.1        | 6.1        |          | 5.0         |         |
|     | WFCZR1   | M           | MID-FLOOD              | 11-Jun-07              | 15:00       | 41.80    | 29.0         | 5.56         | 5.55         | 5.61              | 77.5         | 77,1         | 7,9        | 25.1          | 4.2        | 4.2        |          | 5.0         |         |
|     | WFCZR1   | В           | MID-FLOOD              | 11-Jun-07              |             |          | 28.9         | 5.43         | 5.40         | 5.42              | 77.8         | 77.4         | 7.9        | 25.5          | 2.8        | 2.8        | 4.4      | 20.5        | 10.2    |
|     | WFCZR2   | S           | MID-FLOOD              | 11-Jun-07              |             |          | 29.3         | 5.67         | 5.62         |                   | 79.7         | 79,2         | 7.9        | 24.9          | 6.0        | 6.1        |          | 5.0         |         |
|     | WFCZR2   | М ′         | MID-FLOOD              | 11-Jun-07              | 15:35       | 41.10    | 29,1         | 5.53         | 5.50         | 5.58              | 78.7         | 78.3         | 7.9        | 25.4          | 4.6        | 4.5        |          | 5.5         |         |
|     | WFCZR2   |             | MID-FLOOD              | 11-Jบก-07              |             |          | 29.0         | 5.44         | 5.41         | 5.43              | 76.9         | 76,5         | 7.9        | 25.6          | 3,8        | 3,9        | 4,8      | 10.0        | 6.8     |
| 301 | WWA1     | Š           | MID-EBB                | 13-Jun-07              |             |          | 25.6         | 5,69         | 5.63         |                   | 76.9         | 76.5         | 8.0        | 24.6          | 4.2        | 4.3        |          | 5.5         |         |
| 302 | WWA1     | M           | MID-EBB                | 13-Jun-07              | 17:28       | 6.80     | 25.3         | 5.50         | 5.48         | 5.58              | 77.4         | 77.3         | 0.8        | 24.5          | 4.4        | 4.1        |          | 6.0         |         |
| 303 | WWA1     | В           | MID-EBB                | 13-Jun-07              |             |          | 24.9         | 5.59         | 5,55         | 5,57              | 78.0         | 77.6         | 8.0        | 24.2          | 4.0        | 3,9        | 4.1      | 8.0         | 6.5     |
| 304 | WWA2     | s           | MID-EBB                | 13-Jun-07              | ا ۔۔ ۔۔ ا   |          | 25.8         | 5.78         | 5.73         |                   | 79.7         | 79.4         | 8.0        | 24.4          | 3.0        | 2.9        |          | 6.0         |         |
| 305 | WWA2     | М           | MID-EBB                | 13-Jun-07              | 17:40       | 6.50     | 25.5         | 5.72         | 5.68         | 5.73              | 78.1         | 77.6         | 8.0        | 24.3          | 3.0        | 3.2        |          | 7.0         |         |
| 306 | WWA2     | В           | MID-EBB                | 13-Jun-07              |             |          | 25.6         | 5.56         | 5.54         | 5.55              | 78.0         | 77.8         | 8.0        | 24.7          | 4.2        | 4.3        | 3.4      | 5.5         | 6.2     |
| 307 | WWA3     | S 🛠         | MID-EBB                | 13-Jun-07              |             |          | 25,7         | 5.69         | 5.65         |                   | 77.3         | 77.1         | 8.0        | 25.0          | 5.1        | 5.3        |          | 7.5         |         |
| 308 | WWA3     | M           | MID-EBB                | 13-Jun-07              | 17:53       | 6.30     | 25.4         | 5.71         | 5.69         | 5.69              | 76.5         | 76.4         | 8.0        | 24.6          | 5.1        | 5.2        |          | 8.5         |         |
| 309 | WWA3     | В           | MID-EBB                | 13-Jun-07              |             |          | 25,3         | 5,58         | 5.54         | 5.56              | 77.5         | 77.0         | 8.0        | 24.3          | 4.3        | 4.3        | 4,9      | 7.5         | 7.8     |

Gioentoproject/24583/cnv\_data/marine/impact/Data Evaluation monthly/

Page 7 of 18

|            |          |         |                    |                        | <del> </del> | l        |              |              |              | 1                 | DO, %        | DO. %        |            |               |            | 1          | NTU,     | 1           | <b>SS</b> , |
|------------|----------|---------|--------------------|------------------------|--------------|----------|--------------|--------------|--------------|-------------------|--------------|--------------|------------|---------------|------------|------------|----------|-------------|-------------|
| Lab        |          | Pankina | Tide               | Samalian Bara          | T:           | Water    | Temp.<br>°C  | DO, mg/L     | DO, mg/L     | 20 4              | saturation   | saturation   |            | 0-11-31       | Turbidity. | Turbidity, | Averaged | Suspended   |             |
| ID         | Location |         |                    | Sampling Date          | Time         | depth, m |              | (1)          | (2)          | DO, Average value |              | (2)          | _          | Salinity, ppt |            | NTU (2)    | Value    | Solid, mg/L | Value       |
| 310<br>311 | WRA1     | S<br>M  | MID-EBB<br>MID-EBB | 13-Jun-07<br>13-Jun-07 | 17:14        | 29.80    | 25,8<br>25.4 | 5,67<br>5.50 | 5.62<br>5.45 | 5.56              | 79.1<br>82.3 | 78.5<br>81.0 | 8.0        | 25.6<br>25.4  | 5.1<br>5.3 | 5.1<br>5.5 |          | 6.0<br>5.5  |             |
| 312        | WRA1     | 8       | MID-EBB            | 13-Jun-07              | 17.14        | 29.00    | 25.4         | 5.43         | 5.40         | 5.42              | 76.1         | 75.3         | 8.0        | 25.4          | 4,6        | 4.6        | 5.0      | 6.0         | 5.8         |
| 313        | WRA2     | s       | MID-EBB            | 13-Jun-07              |              |          | 25.7         | 5,58         | 5.55         | 3,42              | 78.5         | 78.3         | 8.0        | 25.7          | 4.8        | 4.8        | 3.0      | 9.0         | 3.0         |
| 314        | WRA2     | M       | MID-EBB            | 13-Jun-07              | 17:02        | 29.10    | 25.5         | 5.69         | 5.53         | 5.59              | 76.9         | 76.4         | 8.0        | 25.0          | 5.2        | 5.2        |          | 5.0         | ł           |
| 315        | WRA2     | В       | MID-EBB            | 13-Jun-07              |              |          | 25.3         | 5.70         | 5.65         | 5.68              | 77.8         | 77.5         | 8.0        | 24.7          | 6.0        | 5.9        | 5.3      | 7.0         | 7.0         |
| 316        | WRA3     | s       | MID-E8B            | 13-Jun-07              |              |          | 25.6         | 5.78         | 5.74         |                   | 79.9         | 79.5         | 8.0        | 24.9          | 4.8        | 4.8        | -,       | 7.0         | <del></del> |
| 317        | WRA3     | М       | MID-EBB            | 13-Jun-07              | 16:50        | 28.50    | 25.4         | 5.60         | 5.56         | 5,67              | 78.2         | 77.9         | 8.0        | 24.5          | 5.1        | 5.2        |          | 8.0         | l           |
| 318        | WRA3     | В       | MID-EBB            | 13-Jun-07              |              |          | 25.4         | 5.58         | 5.48         | 5,53              | 76,6         | 76.3         | 8.0        | 24,3          | 5.0        | 5,2        | 5,0      | 7.0         | 7.3         |
| 319        | WWFCZ1   | Ş.      | MID-EBB            | 13-Jun-07              |              |          | 26.4         | 5.77         | 5.74         |                   | 80.4         | 80.1         | 8.0        | 24.8          | 5.3        | 5.1        |          | 8.0         |             |
| 320        | WWFCZ1   | M       | MID-EBB            | 13-Jun-07              | 16:12        | 38.50    | 26.2         | 5,60         | 5.54         | 5.66              | 78.4         | 77.6         | 8.0        | 24.3          | 4.9        | 4.7        |          | 5.5         | l           |
| 321        | WWFCZ1   | В       | MID-EBB            | 13-Jun-07              |              |          | 25.7         | 5.41         | 5.38         | 5.40              | 76.9         | 76.4         | 8,0        | 24.0          | 5.1        | 5.1        | 5.0      | 6,5         | 6.7         |
| 322        | WWFCZ2   | S       | MID-EBB            | 13-Jun-07              |              |          | 26.1         | 5.69         | 5.62         |                   | 78.0         | 77.6         | 8.0        | 25.0          | 4.9        | 4.8        |          | 6.5         |             |
|            | WWFCZ2   | M       | MID-EBB            | 13-Jun-07              | 16:24        | 39.20    | 25.7         | 5.58         | 5.52         | 5.60              | 79.7         | 79,3         | 8,0        | 24.7          | 4,2        | 4.1        |          | 5.5         | i           |
|            | WWFCZ2   | В       | MID-EBB            | 13-Jun-07              |              |          | 25,6         | 5.44         | 5.41         | 5.43              | 76.8         | 76.6         | 8.0        | 24.3          | 4.9        | 4.8        | 4.6      | 8.5         | 6.8         |
| 325        | WFCZR1   | S       | MID-EBB            | 13-Jun-07              |              |          | 25.9         | 5,60         | 5.54         |                   | 77.2         | 77.0         | 8.0        | 24.6          | 4.6        | 4.6        |          | 7.0         |             |
|            | WFCZR1   | M       | MID-EBB            | 13-Jun-07              | 16:00        | 40.70    | 25.6         | 5.49         | 5.42         | 5.51              | 77.6         | 77.5         | 8,0        | 24.5          | 4.1        | 4.1        |          | 6,5         | ı           |
|            | WFCZR1   | В       | WID-EBB            | 13-Jun-07              |              |          | 25.4         | 5.46         | 5.45         | 5.46              | 76.5         | 76.3         | 8.0        | 24.2          | 5.1        | 5.2        | 4.6      | 5.5         | 6.3         |
| 328        | WFCZR2   | S       | MID-EBB            | 13-Jun-07              | 40.00        |          | 25.8         | 5.68         | 5.62         |                   | 79.4         | 79.1         | 8.0        | 25,1          | 4.2        | 4.2        |          | 6,0         | ı           |
|            | WFCZR2   | W       | MID-EBB            | 13-Jun-07              | 16:38        | 39.60    | 25.6         | 5.50         | 5.49         | 5.57              | 78.5         | 78.2         | 8.0        | 24.8          | 4.0        | 3.8        |          | 5.0         |             |
| 330        | WFCZR2   | 8       | MID-EBB            | 13-Jun-07              |              |          | 25.5         | 5.44         | 5.40         | 5,42              | 77.3         | 77.1         | 8.0        | 24.5          | 3.9        | 3.9        | 4.0      | 5.5         | 5.5         |
| 331        | WWA1     | S<br>M  | MID-FLOOD          | 13-Jun-07<br>13-Jun-07 | 13:37        | 7.20     | 27.3<br>26.8 | 5.67<br>5.54 | 5.60<br>5.50 |                   | 79.3<br>77.3 | 78.0<br>76.1 | 8.0<br>8.0 | 26.7<br>26.4  | 4.2<br>4.3 | 4.2        |          | 5.5<br>7.0  | !           |
| 333        | WWA1     | B       | MID-FLOOD          | 13-Jun-07              | 13,21        | 1.20     | 26.4         | 5.46         | 5.41         | 5.58<br>5.44      | 76.7         | 76.1         | 8,0        | 26.5          | 3.9        | 3.8        | 4.1      | 6.0         |             |
| 334        | WWA2     | s       | MID-FLOOD          | 13-Jun-07              | -            |          | 27.0         | 5.63         | 5.58         | 5.44              | 78.4         | 78.0         | 8.0        | 25.5          | 4.1        | 4.1        | 4.1      | 11.0        | 8.2         |
| 335        | WWA2     | M       | MID-FLOOD          | 13-Jun-07              | 13:50        | 7.10     | 26.4         | 5.54         | 5.46         | 5.55              | 76.5         | 76.1         | 8.0        | 25.3          | 3.2        | 3.4        |          | 6,5         |             |
| 336        | WWA2     | В.      | MID-FLOOD          | 13-Jun-07              |              |          | 26.3         | 5.47         | 5.41         | 5.44              | 77.4         | 77.2         | 8.0        | 25.9          | 4,5        | 4.5        | 4.0      | 7.5         | 8.3         |
| 337        | WWA3     | s       | MID-FLOOD          | 13-Jun-07              | -            |          | 26.7         | 5.61         | 5.57         | 3.44              | 77.0         | 76.5         | 8.0        | 24.6          | 5.1        | 5.1        | 4.0      | 5.5         | - 0.5       |
| 338        | WWA3     | W       | MID-FLOOD          | 13-Jun-07              | 14:09        | 6.90     | 26.5         | 5.46         | 5.44         | 5.52              | 76.6         | 76.2         | 8.0        | 24.9          | 5.2        | 5.2        |          | 5.0         |             |
| 339        | WWA3     | В       | MID-FLOOD          | 13-Jun-07              |              | ···· }   | 26.3         | 5.50         | 5.36         | 5.43              | 75.8         | 75.3         | 8.0        | 25.3          | 5.1        | 5.1        | 5.1      | 8.0         | 6.2         |
| 340        | WRA1     | s       | MID-FLOOD          | 13-Jun-07              |              |          | 26.8         | 5.74         | 5.56         |                   | 78.1         | 77.6         | 8.0        | 26.7          | 5.2        | 5.3        |          | 6.0         |             |
| 341        | WRA1     | м       | MID-FLOOD          | 13-Jun-07              | 13:20        | 31.10    | 26.6         | 5.52         | 5.47         | 5.60              | 77.4         | 76.5         | 8.0        | 26,2          | 5.1        | 5.1        |          | 5.5         |             |
| 342        | WRA1     | В       | MID-FLOOD          | 13-Jun-07              | ł            | T I      | 26.4         | 5.44         | 5,41         | 5.43              | 78.0         | 76.5         | 8.0        | 25.7          | 5.0        | 4.9        | 5.1      | 8.5         | 6.7         |
| 343        | WRA2     | s       | MID-FLOOD          | 13-Jun-07              |              |          | 27.0         | 5.50         | 5,48         |                   | 77.0         | 76.3         | 8.0        | 25.8          | 5.0        | 4.8        |          | 6.0         |             |
| 344        | WRA2     | М       | MID-FLOOD          | 13-Jun-07              | 13:08        | 30.80    | 27.1         | 5.46         | 5.41         | 5.46              | 78.6         | 78.1         | 8.0        | 25.4          | 5.1        | 5.1        |          | 5.0         |             |
| 345        | WRA2     | 8       | MID-FLOOD          | 13-Jun-07              |              | Ī        | 26.8         | 5.47         | 5.40         | 5.44              | 77.4         | 77.1         | 8,0        | 25.6          | 4.9        | 4.8        | 4.9      | 8.0         | 6.3         |
| 346        | WRA3     | S       | MID-FLOOD          | 13-Jun-07              |              |          | 26.9         | 5.80         | 5.64         |                   | 79.9         | 79.6         | 8.0        | 25.6          | 5.0        | 4.9        |          | 6.0         |             |
| 347        | WRA3     | М       | MID-FLOOD          | 13-Jun-07              | 12:59        | 29.30    | 26.5         | 5.70         | 5,63         | 5.69              | 78.3         | 77.3         | 8.0        | 25.8          | 5.0        | 5.2        | 1        | 6.0         |             |
| 348        | WRA3     | В       | MID-FLOOD          | 13-Jun-07              |              |          | 26.4         | 5.94         | 5.61         | 5.78              | 76.3         | 76.1         | B.0        | 25.1          | 5.0        | 4.9        | 5.0      | 7.0         | 6.3         |
|            | WWFCZ1   |         | MID-FLOOD          | 13-Jun-07              |              |          | 28.1         | 5.82         | 5,76         |                   | 82.6         | 81.9         | 8.0        | 26.2          | 5.4        | 5.4        |          | 6.5         |             |
|            | WWFCZ1   | М       | MID-PLOOD          | 13-Jun-07              | 12:20        | 39.20    | 27.8         | 5.64         | 5.56         | 5.70              | 0.08         | 78.8         | 8,0        | 25.7          | 5.3        | 5.2        |          | 7,0         |             |
|            | WFCZ1    | В       | MID-FLOOD          | 13-Jun-07              |              |          | 27.5         | 5.50         | 5.43         | 5.47              | 79.1         | 77.8         | 8,0        | 25.4          | 4.5        | 4.4        | 5.0      | 6.5         | 6.7         |
|            | WWFCZ2   | S       | MID-FLOOD          | 13-Jun-07              |              | Ţ        | 27.8         | 5.60         | 5.53         |                   | 77.0         | 76.4         | 8.0        | 25.0          | 4.2        | 4.2        |          | 7.0         |             |
| 353 \      | WWFCZ2   | М.      | MID-FLOOD          | 13-Jun-07              | 12:33        | 40.30    | 27.7         | 5.68         | 5.64         | 5,61              | 78.0         | 76.3         | 8.0        | 24.7          | 4.1        | 4.1        | [        | 5.5         |             |

|        |                  |             |                    |                        | 1 1   | 1        |              | 1            |              | 1                 | DO, %        | DO %         |          |               |            |            | NTU,     |             | SS,      |
|--------|------------------|-------------|--------------------|------------------------|-------|----------|--------------|--------------|--------------|-------------------|--------------|--------------|----------|---------------|------------|------------|----------|-------------|----------|
| Lab    |                  | - 1         |                    |                        |       | Water    | Temp.        | DO, mg/L     | DO, mg/L     |                   | saturation   | saturation   | i        |               | Turbidity, | Turbidity, | Averaged | Suspended   | Averaged |
| ID     | Location         | Position    | Tide               | Sampling Date          | Time  | depth, m | °C           | (1)          | (2)          | DO, Average value | (1)          | (2)          | pH, Unit | Salinity, ppt | NTU (1)    | NTU (2)    | Value    | Solid, mg/L | Value    |
| 354    | WWFCZ2           | В           | MID-FLOOD          | 13-Jun-07              |       |          | 27.5         | 5.51         | 5,44         | 5.48              | 75.0         | 74.6         | 8.0      | 25.2          | 4,8        | 4.7        | 4.3      | 6.5         | 6.3      |
|        | WFCZR1           | s           | MID-FLOOD          | 13-Jun-07              |       |          | 28,0         | 5.61         | 5.57         |                   | 78,3         | 77.1         | 8.0      | 25.7          | 5.0        | 4.9        |          | 9.5         |          |
| 356    | WFCZR1           | M           | MID-FLOOD          | 13-Jun-07              | 12:00 | 41.50    | 27,5         | 5.40         | 5.38         | 5.49              | 74.9         | 75.3         | 8.0      | 25.4          | 3.9        | 4.0        |          | 6.0         | j.       |
| 357    | WFCZR1           | В           | MID-FLOOD          | 13-Jun-07              | 1     |          | 27.6         | 5.56         | 5.52         | 5.54              | 76.9         | 76.3         | 8.0      | 25.6          | 4,1        | 4.1        | 4.3      | 5.5         | 7.0      |
| 358    | WFCZR2           | Š           | MID-FLOOD          | 13-Jun-07              | 1     |          | 27.7         | 5.79         | 5.74         |                   | 77.1         | 76.8         | 8.0      | 25,3          | 3.9        | 3.8        |          | 7.0         |          |
| 359    | WFC2R2           | М           | MID-FLOOD          | 13-Jun-07              | 12:47 | 40.90    | 27.5         | 5.60         | 5.54         | 5.67              | 75.3         | 75.0         | 8.0      | 25.6          | 3.2        | 3.3        |          | 7.0         | 1        |
| 360    | WFCZR2           | В           | MID-FLOOD          | 13-Jun-07              | ]     |          | 27.6         | 5.43         | 5.41         | 5.42              | 75.2         | 76.1         | 8.0      | 25.4          | 4.0        | 3.9        | 3.7      | 7.0         | 7.0      |
| 361    | WWA1             | ~ \$        | MID-EBB            | 15-Jun-07              |       |          | 29.5         | 5.54         | 5.42         |                   | 77.2         | 76.9         | 8.0      | 11.6          | 5.1        | 5.1        |          | 5,5         |          |
| 362    | WWA1             | M           | MID-EBB            | 15-Jun-07              | 13:57 | 7.60     | 29.4         | 5,36         | 5.35         | 5.42              | 75.9         | 75.0         | 8.D      | 12.2          | 4.7        | 4.7        |          | 12.0        |          |
| 363    | WWA1             | В           | MID-EBB            | 15-Jun-07              |       |          | 29.3         | 5.48         | 5.46         | 5.47              | 77.0         | 76,4         | 8.0      | 12.7          | 4.5        | 4.4        | 4.7      | 7.0         | 8.2      |
| 364    | WWA2             | S           | MID-E88            | 15-Jun-07              |       |          | 29.6         | 5.40         | 5.38         |                   | 76,3         | 75.1         | B.0      | 11.8          | 4.8        | 4.8        |          | 6.5         | 1        |
| 365    | WWA2             | М           | MID-E8B            | 15-Jun-07              | 13:42 | 7.10     | 29.6         | 5.46         | 5.42         | 5.42              | 75.8         | 75.6         | 8,0      | 12.0          | 4.0        | 4.1        |          | 5.5         |          |
| 366    | WWA2             | 8           | MID-EBB            | 15-Jun-07              |       |          | 29.6         | 5.50         | 5.46         | 5.48              | 76.0         | 75.8         | 8.0      | 12.0          | 4.2        | 4.2        | 4.4      | 5.0         | 5.7      |
| 367    | VVVVA3           | S           | MID-EBB            | 15-Jun-07              |       |          | 30.0         | 5.43         | 5.40         |                   | 77.0         | 76.5         | 8.0      | 11,9          | 5,0        | 4.9        |          | 5.0         | 1        |
| 368    | EAWW.            | M           | MID-EBB            | 15-Jun-07              | 13:30 | 7.50     | 29.7         | 5.48         | 5.45         | 5.44              | 75.9         | 75.4         | 8.0      | 12.1          | 5.1        | 5.1        |          | 5.5         |          |
| 369    | WWA3             | В           | MID-EBB            | 15-Jun-07              |       |          | 29,7         | 5.45         | 5.42         | 5,44              | 76.1         | 75.8         | 8.0      | 12.0          | 4.8        | 4.6        | 4.9      | 6.0         | 5,5      |
| 370    | WRA1             | S           | MID-EBB            | 15-Jun-07              | (     |          | 29.3         | 5.64         | 5.61         |                   | 78.2         | 77,6         | 8.0      | 12.3          | 4.1        | 4.2        |          | 7.5         | 1        |
| 371    | WRA1             | M           | MID-EBB            | 15-Jun-07              | 14:08 | 33.20    | 29.1         | 5.58         | 5.56         | 5.60              | 77.7         | 77.1         | 8.0      | 13.3          | 3.9        | 3.9        |          | 8.0         |          |
| 372    | WRA1             | В           | MID-EBB            | 15-Јил-07              |       |          | 29.2         | 5.50         | 5.46         | 5.48              | 76.4         | 76.2         | 0.8      | 12.3          | 4.5        | 4.4        | 4.2      | 9.0         | 8.2      |
| 373    | WRA2             | S           | MID-EBB            | 15-Jun-07              |       |          | 29,1         | 5.61         | 5.58         |                   | 77.0         | 76.5         | 8.0      | 12.6          | 4.0        | 4.1        |          | 15,0        |          |
| 374    | WRA2             | M           | MID-EBB            | 15-Jun-07              | 14:20 | 32.10    | 29.3         | 5.46         | 5.42         | 5.52<br>5.46      | 76.9<br>76.9 | 76.7<br>76.3 | 8.0      | 10.8<br>11.5  | 4.0        | 3.8<br>4.1 | 4.0      | 9.5<br>10,5 | 11.7     |
| 375    | WRA2             | В           | MID-EBB            | 15-Jun-07              |       |          | 29,3         | 5.4B         | 5.43         | 5.46              | 76.5         | 76.2         | 8.0      | 11.5          | 4.2        | 4.1        | 4.0      | 10.5        | 11.7     |
| 376    | WRA3             | S           | MID-EBB            | 15-Jun-07              | 44.05 | 00.70    | 29.2         | 5.49         | 5.41<br>5.43 | 5.45              | 76.0         | 75.8         | 8.0      | 10.9          | 4.0        | 3.9        |          | 10.5        | 1        |
| 377    | WRA3             | M           | MID-EBB            | 15-Jun-07              | 14:32 | 30.70    | 29,3         | 5.45<br>5.50 |              |                   | 77.9         | 77.3         | 8.0      | 10.9          | 4.2        | 4.2        | 4.1      | 11.0        | 10.7     |
| 378    | WRA3             | В           | MID-EBB            | 15-Jun-07              |       |          | 29.3<br>29.1 | 5.63         | 5,46<br>5,60 | 5.48              | 75.2         | 75.1         | 8,0      | 11.4          | 5.2        | 5.1        | 4.1      | 7.5         | 10.7     |
|        | WWFCZ1           | S (         | MID-EBB<br>MID-EBB | 15-Jun-07<br>15-Jun-07 | 15:08 | 42.20    | 28.7         | 5.58         | 5.54         | 5,59              | 76.0         | 76.2         | 8.0      | 11.6          | 4.8        | 4.7        |          | 5,0         | !        |
|        | WWFCZ1           | B           | MID-EBB            |                        | 15.06 | 42.20    | 28.3         | 5.48         | 5.45         | 5.47              | 76.8         | 76.4         | 8.0      | 12.8          | 4.2        | 4.1        | 4.7      | 8.0         | 6.8      |
|        | WWFCZ1<br>WWFCZ2 | S           | MID-EBB            | 15-Jun-07<br>15-Jun-07 |       |          | 29.0         | 5.58         | 5.50         | J.#1              | 77.3         | 76.9         | 8.0      | 11.1          | 4.3        | 4.3        | 7.1      | 7,5         | - U.U    |
|        | WWFCZ2           | M           | MID-EBB            | 15-Jun-07              | 14:59 | 41.60    | 28.5         | 5.76         | 5.72         | 5.64              | 76.1         | 75.9         | 8.0      | 11.6          | 4.8        | 4.8        |          | 5,5         | į        |
|        | WWFCZ2           | В           | MID-EBB            | 15-Jun-07              | 14.55 | 71.50    | 28,5         | 5.60         | 5.54         | 5.57              | 75.3         | 75.2         | 8.0      | 13.1          | 4.4        | 4.3        | 4.5      | 5,0         | 6.0      |
|        | WFCZR1           | - ŝ         | MID-EBB            | 15-Jun-07              |       |          | 29.2         | 5.62         | 5.57         | 9.01              | 78.0         | 77.6         | 8.0      | 11.8          | 5.1        | 5.2        |          | 8.5         |          |
|        | WFCZR1           | M           | MID-EBB            | 15-Jun-07              | 15:20 | 41.50    | 28.7         | 5.60         | 5.51         | 5.58              | 78,5         | 78,1         | 6.0      | 11.6          | 4.2        | 4.2        |          | 5.5         |          |
|        | WFCZR1           | B           | MID-EBB            | 15-Jun-07              | 10.20 | 71.00    | 28.5         | 5.59         | 5.46         | 5.53              | 76.3         | 76.0         | 8.0      | 13.1          | 5.0        | 4,9        | 4.8      | 10.5        | 8.2      |
|        | WFCZR2           | - <u>s</u>  | MID-EBB            | 15-Jun-07              |       |          | 29.2         | 5.69         | 5.67         |                   | 76.9         | 76.5         | 8.0      | 11.6          | 3.2        | 3,2        |          | 6.0         |          |
|        | WFCZR2           | M 1         | MID-EBB            | 15-Jun-07              | 14:45 | 42.20    | 28.5         | 5.50         | 5.46         | 5,58              | 76.7         | 75.8         | 8.0      | 11.8          | 4.5        | 4,4        |          | 11.0        |          |
| 390    | WFCZRZ           | B           | MID-EBB            | 15-Jun-07              |       |          | 28.3         | 5,48         | 5.42         | 5.45              | 76.0         | 75.6         | 8.0      | 13.0          | 4.5        | 4.5        | 4.0      | 9.5         | 8.8      |
| 391    | WWA1             | š           | MID-FLOOD          | 15-Jun-07              |       |          | 27.9         | 5.43         | 5.40         |                   | 79.8         | 75.7         | 8.0      | 14.4          | 5,1        | 5.1        |          | 11.0        |          |
| 392    | WWA1             | M           | MID-FLOOD          | 15-Jun-07              | 9:27  | 7.90     | 28,0         | 5.56         | 5.54         | 5.48              | 77,3         | 76.7         | 8.0      | 15.0          | 4.2        | 4.2        |          | 11.5        |          |
| 393    | WWA1             | В           | MID-FLOOD          | 15-Jun-07              |       | ŀ        | 28.0         | 5.44         | 5.46         | 5.45              | 76.2         | 76.0         | 8.0      | 15.3          | 4.2        | 4.2        | 4.5      | 9.0         | 10.5     |
| 394    | WWA2             | s           | MID-FLOOD          | 15-Jun-07              |       |          | 28.2         | 5.46         | 5.44         |                   | 76.0         | 75.8         | 8.0      | 11.5          | 4.8        | 4.7        |          | 5.0         |          |
| 395    | WWA2             | M           | MID-FLOOD          | 15-Jun-07              | 9:13  | 7.50     | 27.8         | 5,40         | 5.38         | 5.42              | 76.4         | 76.0         | 8.0      | 16.3          | 4.0        | 4.1        |          | 5.5         |          |
| 396    | WWA2             | В           | MID-FLOOD          | 15-Jun-07              |       |          | 27.8         | 5.42         | 5.40         | 5.41              | 75.5         | 75.3         | 0.8      | 16.2          | 4.8        | 4.8        | 4.5      | 9.0         | 6.5      |
| 397    | WWA3             | s           | MID-FLOOD          | 15-Jun-07              |       | - 1      | 28.0         | 5.59         | 5.60         |                   | 76.8         | 77.9         | 8.0      | 14.1          | 4.8        | 4.8        |          | 6.0         |          |
| استنتب |                  | <del></del> |                    |                        |       |          |              |              |              | •                 |              | •            |          |               |            |            |          |             |          |

Grenosproject/24583/env\_data/marine/impact/Data Evaluation/monthly/

Page 9 of 18

|     |          |                |  |               | 1     | r           |       |          |          |                   | DO. %      | I DO. %    |          |               |            | 1          | NTU,     |             | SS.   |
|-----|----------|----------------|--|---------------|-------|-------------|-------|----------|----------|-------------------|------------|------------|----------|---------------|------------|------------|----------|-------------|-------|
| Lab |          |                |  |               |       | Water       | Temp. | DO, mg/L | DO, mg/L |                   | saturation | saturation | 1        |               | Turbidity, | Turbidity. | Averaged | Suspended   |       |
| ID  | Location | Position       | Tide                                   | Sampling Date | Time  | depth, m    | °C    | (1)      | (2)      | DO, Average value |            | (2)        | pH, Unit | Salinity, ppt | NTU (1)    | NTU (2)    | Value    | Salid, mg/L | Value |
| 398 | WWA3     | M              | MID-FLOOD                              | 15-Jun-07     | 9:00  | 7.70        | 27.8  | 5.54     | 5.49     | 5.56              | 77.1       | 76.9       | 8.0      | 17.5          | 5.7        | 5.6        |          | 7,0         |       |
| 399 | WWA3     | В              | MID-FLOOD                              | 15-Jun-07     |       |             | 27.8  | 5,41     | 5.40     | 5.41              | 77.0       | 76,8       | 0.8      | 17.4          | 4.8        | 4.8        | 5.1      | 6.5         | 6.5   |
| 400 | WRA1     | S              | MID-FLOOD                              | 15-Jun-07     |       | i i         | 28.5  | 5.46     | 5.43     |                   | 76.9       | 76.3       | 8.0      | 19.8          | 4.1        | 4.1        |          | 5.5         | 1     |
| 401 | WRA1     | М              | MID-FLOOD                              | 15-Jun-07     | 9:40  | 33.80       | 27.3  | 5.39     | 5.38     | 5.42              | 75,5       | 75.4       | 8.0      | 20.9          | 3.8        | 3.7        |          | 10.5        | 1     |
| 402 | WRA1     | В              | MID-FLOOD                              | 15-Jun-07     | 1     |             | 26.8  | 5.41     | 5.39     | 5,40              | 77.0       | 76.5       | 0.8      | 28.3          | 4.4        | 4,3        | 4,1      | 10.5        | 8.8   |
| 403 | WRA2     | S              | MID-FLOOD                              | 15-Jun-07     |       |             | 28.3  | 5.49     | 5.45     |                   | 76.2       | 75.9       | 8,0      | 10.8          | 4.2        | 4.1        |          | 13.0        | 1     |
| 404 | WRA2     | М              | MID-FLOOD                              | 15-Jun-07     | 9:53  | 32.70       | 27.9  | 5.39     | 5.37     | 5.43              | 76.0       | 75.7       | 8.0      | 14.8          | 2,6        | 2.5        |          | 11.5        | 1     |
| 405 | WRA2     | В              | MID-FLOOD                              | 15-Jun-07     | 1     |             | 27.1  | 5.49     | 5.45     | 5.47              | 75.6       | 75.4       | 8.0      | 23.5          | 3.5        | 3.4        | 3.4      | 10.0        | 11.5  |
| 406 | WRA3     | s              | MID-FLOOD                              | 15-Jun-07     |       |             | 27.8  | 5.51     | 5.46     |                   | 77.5       | 77.0       | 8.0      | 14.1          | 4.7        | 4.6        |          | 9.0         |       |
| 407 | WRA3     | М              | MID-FLOOD                              | 15-Jun-07     | 10:07 | 31.90       | 27.4  | 5.42     | 5.29     | 5.42              | 76,3       | 76.0       | 8.0      | 19.9          | 2.6        | 2.5        |          | 12.5        | 1     |
| 408 | WRA3     | В              | MID-FLOOD                              | 15-Jun-07     | i     |             | 27.2  | 5.45     | 5.40     | 5,43              | 76.1       | 75.7       | 8.0      | 21.6          | 4.4        | 4,4        | 3.9      | 13.0        | 11.5  |
| 409 | WWFCZ1   | S              | MID-FLOOD                              | 15-Jun-07     | i     |             | 28.9  | 5.40     | 5.36     |                   | 77.9       | 77.4       | 8.0      | 9.6           | 4.4        | 4.3        |          | 5.0         |       |
| 410 | WWFCZ1   | м              | MID-FLOOD                              | 15-Jun-07     | 10:45 | 42.50       | 28.2  | 5.56     | 5.54     | 5.47              | 78.6       | 78.3       | 8.0      | 19.7          | 4.1        | 4.1        |          | 5.0         | i     |
| 411 | WWFCZ1   | В              | MID-FLOOD                              | 15-Jun-07     | 1     | )           | 27.7  | 5.47     | 5.43     | 5.45              | 77,5       | 77.3       | 8.0      | 20.7          | 4.7        | 4.6        | 4.4      | 5,0         | 5.0   |
| 412 | WWFCZ2   | Ś              | MID-FLOOD                              | 15-Jun-07     |       |             | 27.9  | 5.50     | 5.47     |                   | 78.1       | 77.6       | 8.0      | 10.4          | 4.2        | 4,3        |          | 5.0         | 1     |
| 413 | WWFCZ2   | M              | MID-FLOOD                              | 15-Jun-07     | 10:33 | 41.90       | 27.6  | 5.43     | 5.40     | 5.45              | 77.4       | 77.2       | 8.0      | 20.1          | 4.1        | 4.1        |          | 7.5         |       |
| 414 | WWFCZ2   | В              | MID-FLOOD                              | 15-Jun-07     | 1     | }           | 27.5  | 5.46     | 5.45     | 5.46              | 76.9       | 76.5       | 8.0      | 20.2          | 4.0        | 3,8        | 4.1      | 7.0         | 6.5   |
| 415 | WFCZR1   | S              | MID-FLOOD                              | 15-Jun-07     |       |             | 28.7  | 5.50     | 5.46     |                   | 78.0       | 77.5       | 8.0      | 9,6           | 4.1        | 4.1        |          | 6.5         |       |
| 416 | WFCZR1   | M              | MID-FLOOD                              | 15-Jun-07     | 10:57 | 42.80       | 26.9  | 5.42     | 5.41     | 5,45              | 77.1       | 76.6       | 8.0      | 20.0          | 4.0        | 3.9        |          | 5.0         | 1     |
| 417 | WFCZR1   | В              | MID-FLOOD                              | 15-Jun-07     | 1     |             | 27.6  | 5.45     | 5,43     | 5.44              | 77.0       | 76.8       | 8.0      | 20.2          | 4.9        | 4.7        | 4,3      | 5,5         | 5.7   |
| 418 | WFCZR2   | s              | MID-FLOOD                              | 15-Jun-07     |       |             | 28.9  | 5.43     | 5.39     |                   | 77.3       | 77,0       | 8.0      | 10.1          | 4.5        | 4.5        |          | 5.5         |       |
| 419 | WFCZR2   | M              | MID-FLOOD                              | 15-Jun-07     | 10:20 | 42,50       | 28.8  | 5.49     | 5.46     | 5.44              | 75,9       | 75.4       | 8.0      | 20.9          | 4.5        | 4.5        |          | 7.0         | ı     |
|     | WFCZR2   | В              | MID-FLOOD                              | 15-Jun-07     | 1     |             | 27.6  | 5.39     | 5.37     | 5.38              | 76.0       | 75.9       | 8.0      | 20.4          | 5.0        | 4.9        | 4.6      | 6.5         | 6.3   |
| 421 | WWA1     | s ·            | MID-EBB                                | 18-Jun-07     |       |             | 28.7  | 5,67     | 5.61     |                   | 81.9       | 80.6       | 8.0      | 17.3          | 4.8        | 4.7        |          | 5.5         |       |
| 422 | WWA1     | М              | MID-EBB                                | 18-Jun-07     | 15:26 | 7.20        | 28,6  | 5.55     | 5.50     | 5.58              | 78,1       | 78.0       | 8.0      | 17.4          | 5.0        | 4.8        |          | 5.5         | l     |
| 423 | WWA1     | В              | MID-EBB                                | 18-Jun-07     | 1     |             | 28.5  | 5.57     | 5.48     | 5.53              | 77.6       | 77.4       | 8.0      | 17.5          | 5.5        | 5,5        | 5.D      | 12.0        | 7.7   |
| 424 | WWA2     | S              | MID-EBB                                | 18-Jun-07     |       |             | 28.8  | 5,56     | 5.56     |                   | 80.1       | 79.4       | 8.0      | 17.2          | 4.8        | 4.8        |          | 6.0         |       |
| 425 | WWA2     | M              | MID-EBB                                | 18-Jun-07     | 15:12 | 6.80        | 28.8  | 5.48     | 5.44     | 5.51              | 79.0       | 77,1       | 8.0      | 17.3          | 5.6        | 5.5        |          | 5.5         | i     |
| 426 | WWA2     | 9              | MID-EBB                                | 18-Jun-07     | i     |             | 28.7  | 5.59     | 5,56     | 5.58              | 78.0       | 76.2       | 8.0      | 17.3          | 5.3        | 5.1        | 5,2      | 7.0         | 6.2   |
| 427 | WWA3     | s              | MID-EBB                                | 18-Jun-07     |       |             | 29.4  | 5,50     | 5.46     |                   | 82.4       | 80.4       | 8,0      | 16.1          | 4.4 .      | 4.4        |          | 5.0         |       |
| 428 | WWA3     | M              | MID-EBB                                | 18-Jun-07     | 15:00 | 6.90        | 29.4  | 5.61     | 5.58     | 5.54              | 80.6       | 80.2       | 8.0      | 16.9          | 5.6        | 5.6        |          | 5.5         | i     |
| 429 | WWA3     | В              | MID-EBB                                | 18-Jun-07     |       |             | 29.4  | 5.57     | 5.50     | 5.54              | 81.6       | 80.9       | 8.0      | 16.9          | 5.1        | 5,1        | 5.0      | 5.5         | 5.3   |
| 430 | WRA1     | s              | MID-EBB                                | 18-Jun-07     |       |             | 28.7  | 5.59     | 5.54     |                   | 79.8       | 79.4       | 8.0      | 16.1          | 4.6        | 4.7        |          | 5.0         |       |
| 431 | WRA1     | M              | MID-EBB                                | 18-Jun-07     | 15;39 | 32.10       | 28.3  | 5.48     | 5.41     | 5.51              | 78.0       | 77.6       | 8.0      | 17.2          | 4.6        | 4,5        |          | 5.0         | i     |
| 432 | WRA1     | В              | MID-EBB                                | 18-Jun-07     |       |             | 26.9  | 5.67     | 5,60     | 5.64              | 79.9       | 79.5       | 8,0      | 24.3          | 4.4        | 4.2        | 4.5      | 9.0         | 6.3   |
| 433 | WRA2     | s              | MID-EBB                                | 18-Jun-07     |       |             | 28.7  | 5.70     | 5.57     |                   | 81.6       | 81.1       | 8.0      | 16.2          | 4.4        | 4.4        |          | 9.5         |       |
| 434 | WRA2     |                | MID-EBB                                | 18-Jun-07     | 15:50 | 31,60       | 28.7  | 5.66     | 5,63     | 5.64              | 80.9       | 80.2       | 8.0      | 16.5          | 4.7        | 4.7        |          | 6.5         | ł     |
| 435 | WRA2     | B              | MID-EBS                                | 18-Jun-07     |       |             | 28,6  | 5.49     | 5.43     | 5.46              | 79.5       | 79.0       | 8.0      | 17.0          | 4.6        | 4.5        | 4.5      | 9.0         | 8.3   |
| 436 | WRA3     | <del>- s</del> | MID-EBB                                | 18-Jun-07     |       |             | 28.8  | 5.68     | 5,64     |                   | 82.2       | 82.0       | 8.0      | 16.0          | 4.4        | 4.4        |          | 7,0         |       |
| 437 | WRA3     | м              | MID-EBB                                | 18-Jun-07     | 16:03 | 29.70       | 28.7  | 5.57     | 5.51     | 5.60              | 78.8       | 78.2       | 8.0      | 16.6          | 4.3        | 4,3        |          | 5.0         |       |
| 438 | WRA3     | <u>"B</u>      | MID-EBB                                | 18-Jun-07     |       | <del></del> | 28.5  | 5.46     | 5.42     | 5,44              | 78.0       | 76.6       | 8.0      | 16.8          | 4.1        | 4.2        | 4.3      | 5.0         | 5.7   |
|     | WWFCZ1   | s              | MID-EBB                                | 18-Jun-07     |       |             | 28.5  | 5.76     | 5.71     | <b></b>           | 82.0       | 81.6       | 8.0      | 16.4          | 4.5        | 4.4        |          | 8.0         |       |
|     | WWFCZ1   | M              | MID-EBB                                | 18-Jun-07     | 16:43 | 40.90       | 27.8  | 5,56     | 5.52     | 5.64              | 81.0       | 80.6       | 8,0      | 18.9          | 4.5        | 4.5        | i        | 5.0         |       |
|     | WWFCZ1   | B              | MID-EBB                                | 18-Jun-07     |       | 10.00       | 27.3  | 5,60     | 5.57     | 5.59              | 82.8       | 82.4       | 8.0      | 21.3          | 5.2        | 5.1        | 4.7      | 5.0         | 6.0   |
| 441 | VIVICEI  | 1              | ************************************** | 10-3011-07    | ı i   |             | 21.0  | 3,00     | 3.57     | 0.00              | V2.0       | V2.7       | <u> </u> |               |            |            | 4.7      | 0.0         |       |

| _          |          |                | بنبضف       |                        | _  |                 |       |        |          |                   | DO: %      | DO. %      | r       | _             |            |            | NTU.     |             | SS.                  |
|------------|----------|----------------|-------------|------------------------|--|-----------------|-------|--------|----------|-------------------|------------|------------|---------|---------------|------------|------------|----------|-------------|----------------------|
| Lab        | i        | ,              | 25 1 10     | 100                    |  | Water           | Temp. | 00 002 | DO. mg/L |                   | saturation | saturation |         | ł .           | Turbidity. | Turbidity. | Averaged | Suspended   |                      |
| ID         | Location | Position       | Tide        | Sampling Date          | Time   | depth. m        | °C    | (1)    | (2)      | DO, Average value | (1)        | (2)        | n⊬ Hnit | Salinity, ppt |            | NTU (2)    | Value    | Solid, ma/L | Value                |
|            | WWFCZ2   | S-→            | MID-EBB     | 18-Jun-07              | · · · · · ·                                      | Gopin, iii      | 28.5  | 5.80   | 5.76     | De, microgo valuo | 81,0       | 80.5       | 8.0     | 16,4          | 4.2        | 4.1        |          | 9.0         |                      |
|            | WWFCZ2   | M              | MID-EBB     | 18-Jun-07              | 16:30  | 39.80           | 27.7  | 5.59   | 5.55     | 5.68              | 79.6       | 78.7       | 8.0     | 19.3          | 4.1        | 4.1        |          | 5.5         | ł                    |
|            | WWFCZ2   | B              | MID-EBB     | 18-Jun-07              | 10.30  | 39.00           | 27.5  | 5.70   | 5.61     | 5.66              | 80.0       | 79.5       | 8.0     | 20.0          | 4.4        | 4.1        | 4.2      | 7.5         | 7.3                  |
|            | WFCZR1   | - <del>S</del> | MID-EBB     | 18-Jun-07              |  |                 | 28.2  | 5.90   | 5,87     | 5.00              | 84.9       | 84.6       | 8.0     | 16.9          | 4.3        | 4.2        | 4.2      | 5.0         | ļ                    |
|            | WFCZR1   | M              | MID-EBB     | - 18-Jun-07            | 16:59  | 42.10           | 28.2  | 5.81   | 5.76     | 5.84              | 82.2       | 81.6       | 8.0     | 17.4          | 5.1        | 5.2        |          | 5.0         | ł                    |
|            |          | IM<br>B∽-      | MID-EBB     | 18-Jun-07              | 10,58  | 42.10           | 27.2  | 5.61   | 5.50     | 5.56              | 80.0       | 78.7       | 8.0     | 22.4          | 4.6        | 4.5        | 4.6      | 6.0         | 5.3                  |
|            | WFCZR1   | Š              | MID-EBB     | 18-Jun-07              |  |                 | 28.8  | 5.86   | 5.84     | 3.30              | 83.6       | 82.7       | 8.0     | 16.2          | 4.7        | 4.6        | 4.0      | 5.0         |                      |
|            | WFCZR2   | . s            | MID-EBB     | 18-Jun-07              | 16:17  | 41,30           | 27.7  | 5.69   | 5.85     | 5,76              | 80.1       | 79.8       | 8.0     | 19.0          | 4.5        | 4.5        |          | 5.0         | ł                    |
|            | WFCZR2   | В              | MID-EBB     | 18-Jun-07              | 'G.,, i  | 41,50           | 27.1  | 5.59   | 5.56     | 5.58              | 79.4       | 79.0       | 8.0     | 22.0          | 6.6        | 6.6        | 5.2      | 5.0         | 5.0                  |
| 450        |          | S              | MID-FLOOD   | 18-Jun-07              |  |                 | 27.0  | 5.57   | 5.54     | 3,36              | 78.0       | 78.4       | 8.0     | 24.7          | 4.7        | 4.6        | 3,2      | 9,5         | 3.0                  |
| 453        | WWA1     | M              | MID-FLOOD   | 18-Jun-07              | 9:25   | 7.50            | 27.1  | 5.51   | 5.46     | 5,52              | 77.1       | 76.4       | 8.0     | 25.1          | 4.7        | 4.7        |          | 5.5         | ł                    |
| 453        | WWA1     |                | MID-FLOOD   | 18-Jun-07              | 9.25   | 7.50            | 27.0  | 5.41   | 5.38     | 5.40              | 75.9       | 75.4       | 8.0     | 25.7          | 5.2        | 5.2        | 4.9      | 9.0         | 8.0                  |
| 454        | WWA2     | S              | MID-FLOOD   | 18-Jun-07              |  |                 | 27.6  | 5.69   | 5.59     | 0,40              | 77.4       | 77.4       | 8.0     | 22.6          | 4.3        | 4.3        | ₩,₽      | 6.5         |                      |
| 455        | WWA2     | M -            | MID-FLOOD   | 18-Jun-07              | 9:13   | 7.30            | 27.2  | 5.48   | 5.47     | 5.56              | 77.9       | 77.5       | 8.0     | 25.2          | 5,2        | 5.3        |          | 10.5        | 1                    |
| 456        | WWA2     | - M -          | MID-FLOOD   | 18-Jun-07              | 2,13   | 7.30            | 27.6  | 5.55   | 5.51     | 5.53              | 76.9       | 76.5       | 8.0     | 22.6          | 5.0        | 5.1        | 4.9      | 7,0         | 8,0                  |
| 457        | WWA3     | S              | MID-FLOOD   | 18-Jun-07              |  |                 | 27.2  | 5.48   | 5.44     | 9.93              | 76.0       | 76.4       | 8.0     | 24.8          | 4.3        | 4.3        | 4.5      | 10.5        | 5.0                  |
| 458        | WWA3     | s<br>M ∽       | MID-FLOOD   | 18-Jun-07              | 9:00   | 7.20            | 27.4  | 5.56   | 5.52     | 5.50              | 75.8       | 75.6       | 8.0     | 24.9          | 5.0        | 4.9        |          | 8.5         | 1                    |
|            | WWA3     | B              | MID-FLOOD   |                        | 9.00   | 3.20            | 27.0  | 5.41   | 5.39     | 5.40              | 77.0       | 76.5       | 8.0     | 24.5          | 5.0        | 5.1        | 4.8      | 5.0         | 8.0                  |
| 459<br>460 | WRA1     | S              | MID-FLOOD   | 18-Jun-07<br>18-Jun-07 | $\vdash$   |                 | 26.7  | 5.68   | 5,64     | 3.40              | 79.4       | 79.0       | 8.0     | 25.9          | 4.7        | 4.7        | 4.0      | 9.5         |                      |
|            | WRA1     | <u>м</u>       | MID-FLOOD   | 18-Jun-07              | 9:40   | 32,70           | 26.6  | 5.60   | 5,57     | 5.62              | 77.8       | 77.4       | 8.0     | 25.7          | 4.6        | 4.5        |          | 8.5         | 1                    |
| 461<br>462 | WRA1     | B              | MID-FLOOD   | 18-Jun-07              | 8,40   | 32.10           | 26.8  | 5.47   | 5.40     | 5.44              | 76.5       | 76.0       | 8.0     | 25.2          | 4.2        | 4.0        | 4.5      | 11.0        | 9.7                  |
| 463        | WRA2     | S              | MID-FLOOD   | 18-Jun-07              | 1  |                 | 26.9  | 5.60   | 5.58     | 0.44              | 77.4       | 76.7       | 8.0     | 25.9          | 4.0        | 3.9        | 7,0      | 5.5         |                      |
| 464        | WRA2     | M              | MID-FLOOD   | 18-Jun-07              | 9:53   | 31.90           | 26.5  | 5,50   | 5.48     | 5.54              | 76.2       | 75.9       | 8.0     | 27.5          | 3.5        | 3.4        |          | 8.5         | 1                    |
| 465        | WRA2     | B              | MID-FLOOD   | 18-Jun-07              | 0.00   | 31,00           | 27.0  | 5.42   | 5.41     | 5.42              | 77.9       | 77.5       | 8.0     | 24.2          | 4.2        | 4.3        | 3.9      | 7.0         | 7.0                  |
| 466        | WRA3     | S              | MID-FLOOD   | 18-Jun-07              | <del>                                     </del> |                 | 26.6  | 5.79   | 5.74     | 3.42              | 77.8       | 77.1       | 8.0     | 26.5          | 4.4        | 4.3        | 5,5      | 9.5         | 1.0                  |
| 467        | WRA3     | M ·            | MID-FLOOD   | 18-Jun-07              | 10:06  | 30.80           | 26.6  | 5.68   | 5.65     | 5.72              | 78.6       | 78.4       | 8.0     | 26.5          | 4.1        | 4.1        |          | 7.5         | 1                    |
| 468        | WRA3     | 8              | MID-FLOOD   | 18-Jun-07              | 10,05  | 35.55           | 27.4  | 5.58   | 5.54     | 5.56              | 76.9       | 76.4       | 8.0     | 22.4          | 4.2        | 4.3        | 4.2      | 12.5        | 9.8                  |
|            | WWFCZ1   | S              | MID-FLOOD   | 18-Jun-07              | <del>  </del>                                    |                 | 26.8  | 5.56   | 5.52     | 5.00              | 76.4       | 76.6       | 8.0     | 24.5          | 4.4        | 4.4        | 7.4      | 13.0        |                      |
|            | WWFCZ1   | M              | MID-FLOOD   | 18-Jun-07              | 10:45  | 41.20           | 26.1  | 5.60   | 5.56     | 5,58              | 77.7       | 77.2       | 8.0     | 28.7          | 4.3        | 4.2        |          | 8.0         | 1                    |
|            | WWFCZ1   | В              | MID-FLOOD   | 18-Jun-07              | 10.45  | 41.20           | 26.8  | 5.57   | 5.52     | 5.55              | 77.1       | 76.7       | 8.0     | 24.2          | 5.0        | 4.9        | 4,5      | 15.5        | 12.2                 |
|            | WWFCZ2   |                | MID-FLOOD   | 18-Jun-07              |  |                 | 26.3  | 5.58   | 5.54     | 3.33              | 78.6       | 78.2       | 8.0     | 26.9          | 4.2        | 4.3        | 7.0      | 5.5         | <del> </del>         |
|            | WWFCZ2   | M              | MID-FLOOD   | 18-Jun-07              | 10:32  | 41,10           | 26.2  | 5.56   | 5.57     | 5.56              | 76.9       | 76.5       | 8.0     | 28.1          | 4.0        | 3.9        |          | 7.5         | l                    |
|            | WWFC22   | Ė              | MID-FLOOD   | 18-Jun-07              | '","*  | 1               | 27.2  | 5.74   | 5.70     | 5.72              | 77.5       | 77.4       | 8.0     | 22.0          | 3.3        | 3.2        | 3,8      | 8.0         | 7.0                  |
|            | WFCZR1   | S              | MID-FLOOD   | 18-Jun-07              | -  | <del></del>     | 26.6  | 5.60   | 5.52     | 0.72              | 76.2       | 76.0       | 8.0     | 21.5          | 4.1        | 4.3        |          | 9.0         |                      |
|            | WFCZR1   | M              | MID-FLOOD   | 18-Jun-07              | 10:59  | 42.50           | 26.1  | 5.46   | 5.43     | 5,50              | 75.7       | 75.4       | 8.0     | 26.5          | 5.1        | 5.1        |          | 15.0        | i                    |
|            | WFCZR1   | B              | MID-FLOOD   | 18-Jun-07              | '"."   | 72.00           | 27.3  | 5.50   | 5.45     | 5.48              | 77.5       | 77.3       | 8.0     | 25.5          | 5.1        | 5.1        | 4.8      | 10.5        | 11.5                 |
|            | WFCZR1   | <u>s</u>       | MID-FLOOD   | 18-Jun-07              | $\vdash$   |                 | 26.5  | 5.78   | 5.72     | 0.40              | 78.0       | 77.6       | 8.0     | 26.9          | 5.0        | 4.8        |          | 9.0         | ·                    |
|            | WFCZR2   | M              | MID-FLOOD   | 18-Jun-07              | 10:20  | 41.80           | 26.3  | 5.50   | 5.43     | 5.61              | 76.8       | 76.5       | 8.0     | 28.5          | 4.2        | 4.3        |          | 10,5        | i                    |
|            | WFCZR2   | B              | MID-FLOOD   | 18-Jun-07              | """  | 71,00           | 26.5  | 5.69   | 5.65     | 5.67              | 75.7       | 75.4       | 8.0     | 26.2          | 5,1        | 5.1        | 4.8      | 15.0        | 11.5                 |
| 481        | WWA1     | \$             | MID-EBB     | 20-Jun-07              | $\vdash$   |                 | 30.5  | 5,44   | 5,41     | 3.07              | 77.0       | 76.8       | 8.0     | 16.4          | 2.7        | 2.7        | 7.0      | 10.5        | ····                 |
| 482        | WWA1     | M              | MID-EBB     | 20-Jun-07              | 15:54  | 7.10            | 30.1  | 5.56   | 5.54     | 5.49              | 78.1       | 77.9       | 8.0     | 16.9          | 3.0        | 2.8        |          | 13.0        | i                    |
| 483        | WWA1     | B              | MID-EBB     | 20-Jun-07              | 10.57  | ∣ "" <b>'</b> } | 30.1  | 5.70   | 5.66     | 5.68              | 79.7       | 79.2       | 8.0     | 16.8          | 4.4        | 4.3        | 3.3      | 11.5        | 11.7                 |
| 484        | WWA2     | S              | MID-EBB     | 20-Jun-07              |  |                 | 30.1  | 5.79   | 5.74     | 3,00              | 79.1       | 79.0       | 8.0     | 16.8          | 3,4        | 3.4        | <u> </u> | 7.0         | <del>, , , , ,</del> |
| 485        | WWA2     | M              | MID-EBB     | 20-Jun-07              | 15:42  | 6,80            | 30.0  | 5,60   | 5.54     | 5.67              | 78.7       | 78.2       | 8.0     | 18.1          | 3.3        | 3.3        |          | 7.0         | i                    |
| 700        | ******   | (4)            | 14110-FID 1 | 20.001-01              |  | 50              | 00.0  | 0.00   | 0.04     | 0.01              |            | , 4.2      |         |               |            |            |          |             |                      |

Givent/project/24583/env\_data/marine/impact/Data Evaluation/monthly

Page 11 of 18

|            |                  |                  |                    |                        |          |          |       | r .          |              | 1                 | 00.%         | DO, %        |            |               |            |            | NTU,     |             | ss,     |
|------------|------------------|------------------|--------------------|------------------------|----------|----------|-------|--------------|--------------|-------------------|--------------|--------------|------------|---------------|------------|------------|----------|-------------|---------|
| Lab        |                  |                  |                    |                        |          | Water    | Temp. | DO, mg/L     | DO, mg/L     | j                 | saturation   | saturation   |            |               | Turbidity, | Turbidity, | Averaged | Suspended   | Average |
| ID         | Location         | Position         | Tide               | Sampling Date          | Time     | degth, m | °C    | (1)          | (2)          | DO, Average value | (1)          | (2)          |            | Salinity, ppt |            | NTU (2)    | Value    | Solid, mg/L | Value   |
| 486        | WWA2             | В                | MID-EBB            | 20-Jun-07              |          |          | 29.9  | 5.47         | 5.44         | 5.46              | 76.6         | 76.3         | 8.0        | 18.6          | 3.9        | 3.8        | 3.5      | 9,0         | 7,7     |
| 487        | WWA3             | S                | MID-EBB            | 20-Jun-07              |          |          | 31.4  | 5,56         | 5.51         |                   | 76.2         | 76.0         | 8.0        | 13,5          | 3.5        | 3.4        |          | 7.0         |         |
| 488        | WWA3             | M                | MID-EBB            | 20-Jun-07              | 15:30    | 6.70     | 30.6  | 5.47         | 5.41         | 5,49              | 75.8         | 75.3         | 8.0        | 17.9          | 3.1        | 3.1        | 1        | 10.5        | į       |
| 489        | WWA3             | 8                | MID-EBB            | 20-Jun-07              | İ        |          | 30.2  | 5.60         | 5.58         | 5.59              | 76.7         | 76.4         | 8.0        | 18.5          | 3.9        | 3.9        | 3.5      | 10.0        | 9,2     |
| 490        | WRA1             | Ś                | MID-EBB            | 20-Jun-07              |          |          | 30.8  | 5.78         | 5.74         |                   | 80.9         | 80.4         | 8.0        | 15.7          | 3.9        | 3.8        |          | 6.5         |         |
| 491        | WRA1             | M                | MID-EBB            | 20-Jun-07              | 16:04    | 32.10    | 29.1  | 5.64         | 5.59         | 5.69              | 80.2         | 79.5         | 8.0        | 19.6          | 4.8        | 4.8        |          | 7.0         | 1       |
| 492        | WRA1             | ß                | MID-EBB            | 20-Jun-07              |          |          | 27.6  | 5.48         | 5.40         | 5.44              | 76.1         | 75.5         | 8.0        | 26.2          | 2.2        | 2.2        | 3,6      | 9.0         | 7.5     |
| 493        | WRA2             | \$               | MID-EB8            | 20-Jun-07              |          |          | 30.3  | 5.63         | 5.49         |                   | 78.2         | 77.6         | 8.0        | 16,1          | 3.0        | 3.1        |          | 8.5         |         |
| 494        | WRA2             | M                | MID-EBB            | 20-Jun-07              | 16:17    | 30.50    | 29.6  | 5.55         | 5.47         | 5.54              | 78.1         | 77.0         | 8.0        | 18.2          | 5.0        | 5.1        |          | 6,0         |         |
| 495        | WRA2             | В                | MID-EBB            | 20-Jun-07              |          |          | 27,5  | 5.43         | 5.38         | 5.41              | 75.6         | 75.2         | 8.0        | 25.9          | 4.1        | 4.1        | 4.1      | 7.0         | 7.2     |
| 496        | WRA3             | ß                | MIÖ-EBB            | 20-Jun-07              |          |          | 30.4  | 5.83         | 5.76         |                   | 79.7         | 79.3         | 8.0        | 16,2          | 4.5        | 4.5        |          | 10.5        | l       |
| 497        | WRA3             | M                | MID-EBB            | 20-Jun-07              | 16:30    | 29.70    | 29.0  | 5.98         | 5,96         | 5.88              | 88.8         | 87.4         | 8.0        | 19.2          | 4.3        | 4,3        |          | 7.0         |         |
| 498        | WRA3             | В                | MID-EBB            | 20-Jun-07              |          |          | 27.8  | 5,56         | 5.50         | 5.53              | 78.0         | 77.5         | 8.0        | 23.4          | 5.1        | 5.1        | 4.6      | 8.0         | 8.5     |
| 499        | WWFCZ1           | S                | MID-EBB            | 20-Jun-07              | 47.40    | 45.45    | 30.3  | 5.69         | 5.64         |                   | 81.2         | 80.7         | 8.0        | 15.6          | 5.6        | 5.6        |          | 10.0<br>5.5 | i       |
| 500        | WWFCZ1           | M                | MID-E8B            | 20-Jun-07              | 17:12    | 40.10    | 29,4  | 5,94         | 5.70         | 5.74<br>5.57      | 79.9         | 79.6<br>78.4 | 8.0<br>8.0 | 18.2<br>23.9  | 4,1        | 4.2        | 4.6      | 5.5         | 7.0     |
|            | WWFCZ1           | В                | MID-EBB            | 20-Jun-07              | <u> </u> |          | 28.1  | 5.59         | 5.54         | 5.57              | 78.8<br>80.6 | 80.2         | 8.0        | 15.8          | 6.1        | 6.1        | 4.0      | 9.0         | 7.0     |
| 502<br>503 | WWFCZ2<br>WWFCZ2 | S<br>M           | MID-EBB<br>MID-EBB | 20-Jun-07<br>20-Jun-07 | 16:59    | 39.80    | 29.9  | 5.79<br>5.59 | 5,71         | 5,66              | 79.8         | 78.6         | 8.0        | 21.9          | 4.3        | 4.3        |          | 10.0        | i       |
|            | WWFCZZ           | Ð                | MID-EBB            | 20-Jun-07              | ,0.55    | 35.00    | 27.7  | 5.80         | 5.74         | 5.77              | 79.2         | 78.0         | 8.0        | 25.9          | 4.3        | 4.3        | 4.9      | 8.5         | 9.2     |
|            | WFCZR1           | S                | MID-EBB            | 20-Jun-07              |          |          | 30.5  | 5.80         | 5.69         | 5.11              | 79.7         | 78.2         | 8.0        | 15.5          | 5.2        | 5.2        | 7.0      | 6.5         |         |
|            | WFCZR1           | - <del>-</del> M | MID-EBB            | 20-Jun-07              | 17:28    | 41.50    | 29.4  | 5.53         | 5.45         | 5,62              | 79.1         | 78.5         | 8.0        | 17.8          | 5.4        | 5.2        |          | 11.5        | i       |
|            | WFC2R1           | 8                | MID-EBB            | 20-Jun-07              |          | 11.00    | 28.5  | 5.76         | 5.71         | 5.74              | 80.3         | 80.0         | 8.0        | 22.8          | 4;4        | 4.3        | 4.9      | 10.5        | 9.5     |
|            | WFCZR2           | S                | MID-EBB            | 20-Jun-07              |          |          | 30.4  | 5.54         | 5.52         |                   | 79.8         | 79.5         | 8.0        | 15.5          | 5,8        | 5.7        |          | 11.0        |         |
|            | WFCZR2           | M                | MID-EBB            | 20-Jun-07              | 16:45    | 40.70    | 29.5  | 5.48         | 5.46         | 5.50              | 78.0         | 77.4         | 8.0        | 17.8          | 4.8        | 4,7        |          | 6.5         | i       |
| 510        | WFCZR2           | В                | MID-EBB            | 20-Jun-07              |          |          | 28.2  | 5.60         | 5.57         | 5.59              | 76.7         | 76.2         | 8.0        | 23.7          | 5.7        | 5.6        | 5.4      | 8.5         | 8.7     |
| 511        | WWA1             | S                | MID-FLOOD          | 20-Jun-07              |          |          | 28.5  | 5.67         | 5,61         |                   | 77.8         | 77.1         | 8.0        | 19.4          | 2.9        | 2.9        |          | 5.5         |         |
| 512        | WWA1             | М                | MID-FLOOD          | 20-Jun-07              | 10:28    | 7,30     | 28,0  | 5,56         | 5,53         | 5.59              | 76.8         | 76.2         | 8.0        | 21.9          | 3.1        | 3.1        |          | 6.5         | i       |
| 513        | WWA1             | В                | MID-FLOOD          | 20-Jun-07              |          |          | 27.9  | 5.69         | 5.67         | 5.68              | 78.0         | 77.9         | 8.0        | 22.0          | 4.0        | 3.9        | 3.3      | 6.0         | 6.0     |
| 514        | WWA2             | S                | MID-FLOOD          | 20-Jun-07              |          | j        | 28.1  | 5.60         | 5,47         |                   | 78.2         | 77.6         | 8.0        | 21.2          | 3,6        | 3.6        |          | 5.0         |         |
| 515        | WWA2             | W                | MiD-FLOOD          | 20-Jun-07              | 10:13    | 7.10     | 28.0  | 5.50         | 5.45         | 5.51              | 80.5         | 79.7         | 8.0        | 21.8          | 3.3        | 3.1        |          | 6.0         |         |
| 516        | WWA2             | В                | MID-FLOOD          | 20-Jun-07              |          |          | 28.0  | 5.67         | 5.61         | 5,64              | 79.0         | 78.1         | 8.0        | 22.0          | 4.0        | 4.0        | 3.6      | 5.5         | 5.5     |
| 517        | WWA3             | S                | MID-FLOOD          | 20-Jun-07              |          |          | 28.3  | 5,56         | 5,53         |                   | 77.4         | 76.9         | 8.0        | 20.8          | 3,6        | 3.5        |          | 5.0         |         |
| 518        | WWA3             | М                | MID-FLOOD          | 20-Jun-07              | 10:00    | 7.10     | 28.0  | 5.49         | 5.44         | 5.51              | 79.1         | 78.5         | 8.0        | 22.1          | 3.0        | 2.9        |          | 9.0         |         |
| 519        | WWA3             | В                | MID-FLOOD          | 20-Jun-07              |          |          | 27.9  | 5.42         | 5.41         | 5.42              | 79.5         | 79.3         | 8.0        | 22.6          | 3.2        | 3.4        | 3.3      | 7.5         | 7.2     |
| 520        | WRA1             | S                | MID-FLOOD          | 20-Jun-07              |          | ا ا      | 28.1  | 5.60         | 5.51         |                   | 77.5         | 77.3         | 8.0        | 20.8          | 3.8        | 3.6        |          | 9.0         |         |
| 521        | WRA1             | М                | MID-FLOOD          | 20-Jun-07              | 10:39    | 32.50    | 27.9  | 5.46         | 5,40         | 5.49              | 76.1         | 76.0         | 8.0        | 23.2          | 4.2        | 4.1        |          | 10.5        |         |
| 522        | WRA1             | В                | MID-FLOOD          | 20-Jun-07              |          |          | 27.5  | 5.50         | 5.46         | 5.48              | 78.1         | 77.6         | 8.0        | 24.1          | 2.5        | 2.7        | 3.5      | 7.0         | 8.8     |
| 523        | WRA2             |                  | MID-FLOOD          | 20-Jun-07              |          |          | 28.0  | 5.57         | 5.50         |                   | 78.0         | 77.7         | 8.0        | 21.8          | 3.2        | 3.1        |          | 6.0         |         |
| 524        | WRA2             |                  | MID-FLOOD          | 20-Jun-07              | 10:51    | 31.30    | 27.5  | 5.48         | 5.46         | 5.50              | 76.8         | 75.2         | 8.0        | 29,2          | 4.2        | 4.2        | 2.0      | 9.0         |         |
| 525        | WRA2             |                  | MID-FLOOD          | 20-Jun-07              |          |          | 26.8  | 5.45         | 5.40         | 5.43              | 77.1         | 76.2         | 8.0        | 28.1          | 4.2        | 4.2        | 3.9      | 9.5<br>6.5  | 8.2     |
| 526        | WRA3             |                  | MID-FLOOD          | 20-Jun-07              | 44.07    | 30.20    | 28,1  | 5,40         | 5,38         |                   | 77.1         | 77.2         | 8.0<br>8.0 | 20.3          | 4.1<br>4.0 | 4,1<br>3,9 |          | 12.0        |         |
| 527        | WRA3             | M<br>E           | MID-FLOOD          | 20-Jun-07              | 11:07    | 30,∠0    | 27.7  | 5.52         | 5.46<br>5.40 | 5.44<br>5.41      | 76.6         | 76.3<br>76.5 | 8.0        | 24.6          | 4,0        | 4.3        | 4.1      | 9.5         | 9.3     |
| 528        | WRA3<br>WWFCZ1   | - <del>E</del>   | MID-FLOOD          | 20-Jun-07<br>20-Jun-07 |          |          | 27.1  | 5.41<br>5.98 | 5.40         | 5.41              | 76.8<br>84.7 | /6.5<br>85.1 | 8.0        | 16.2          | 4.2        | 4.3        | 4.1      | 6.5         | 3.0     |
| 529        | VVVVFCZ1         | ა                | INITO-LEGOD        | 20-3011-07             | · I      | L        | 29.0  | 5.80         | 5.50         | ı l               | 04.1         | QU, I        | 0.0        | 10.2          | 4.4        | 4.5        |          | 0.5         |         |

|            |          |                |                    |                        |             |          |              |              | Γ            | T                 | 00,%         | DO %         | Γ          | · · · · · ·   | ,          |            | NTU,     |             | SS,      |
|------------|----------|----------------|--------------------|------------------------|-------------|----------|--------------|--------------|--------------|-------------------|--------------|--------------|------------|---------------|------------|------------|----------|-------------|----------|
| Lab        |          |                |                    |                        |             | Water    | Temp.        | DO, mg/L     | DO, mg/L     | L                 | saturation   | saluration   | l          | <b>i</b>      | Turbicity, | Turbidity, | Averaged | Suspended   | Averaged |
| ΙĐ         | Location | Position       | Tide               | Sampling Date          | Time        | depth, m | °C           | (1)          | (2)          | DO, Average value |              | (2)          | -          | Salinity, ppt | NTU (1)    | NTU (2)    | Value    | Solid, mg/L | Value    |
|            | WWFCZ1   | M              | MID-FLOOD          | 20-Jun-07              | 11:40       | 40.80    | 27.7         | 5.44         | 5.39         | 5.69              | 82.9         | 81.8         | 8.0        | 24.4          | 3.8        | 3,6        |          | 8.5         | 1        |
|            | WWFCZ1   | В              | MID-FLOOD          | 20-Jun-07              | l           |          | 26.8         | 5.59         | 5.57         | 5.58              | 79.4         | 79.0         | 8.0        | 27.7          | 3.2        | 3.1        | 3.7      | 10.5        | 8.5      |
|            | WWFCZ2   | S              | MID-FLOOD          | 20-Jun-07              | 1           | 1        | 27.3         | 5.61         | 5,57         |                   | 72.7         | 71.4         | B.0        | 24.7          | 5.3        | 5.1        |          | 9.5         | 1        |
|            | WWFCZ2   | M              | MID-FLOOD          | 20-Jun-07              | 11:35       | 40.60    | 27.3         | 5.47         | 5.43         | 5.52              | 73.0         | 72.7         | 8.0        | 25.6          | 4.1        | 4.2        |          | 8.5         |          |
|            | WWFCZ2   | -B             | MID-FLOOD          | 20-Jun-07              |             |          | 27.1         | 5.38         | 5.36         | 5.37              | 71.9         | 71.3         | 8.0        | 25.7          | 4.3        | 4.4        | 4.5      | 8.0         | 8.7      |
|            | WFCZR1   |                | MID-FLOOD          | 20-Jun-07              |             |          | 28.3         | 5.50         | 5.54         |                   | 77.6         | 76.8         | 8.0        | 23.8          | 4.3        | 4.1        |          | 6.5         | (        |
|            | WFCZR1   | M              | MID-FLOOD          | 20-Jun-07              | 11:55       | 42.10    | 27.8         | 5.40         | 5.36         | 5.45              | 77.0         | 76.8         | 8.0        | 25.1          | 3.6        | 3.6        |          | 8.0         | امدا     |
|            | WFCZR1   | B              | MID-FLOOD          | 20-Jun-07              |             |          | 26.5         | 5.43         | 5.42         | 5.43              | 76.6<br>77.2 | 76.8<br>75.4 | 8.0<br>8.0 | 30.0<br>26.6  | 4.1        | 4.2        | 4.0      | 11.0<br>9.5 | 8.5      |
|            | WFCZR2   | S              | MID-FLOOD          | 20-Jun-07              | 44.00       | 44.00    | 27.4         | 5.46         | 5.41         |                   | 76.3         | 1            | 8.0        | 26.6          | 3.6        | 3.7        |          | 9.5         | 1        |
| 539        | WFCZR2   | М              | MID-FLOOD          | 20-Jun-07              | 11:20       | 41.20    | 27.0         | 5.50<br>5.47 | 5.39         | 5.44<br>5.47      | 80.5         | 75.7<br>78.0 | 8.0        | 28.0          | 3.9        | 3.9        | 3.9      | 12.0        | 10.3     |
| 540        | WFCZR2   |                | MID-FLOOD          | 20-Jun-07              |             |          | 26.4         | 7.70         | 5.46<br>7.68 | 5.47              | 118.8        | 117.9        | 8.0        | 19.7          | 4.8        | 4.7        | 3.9      | 10.5        | 10.5     |
| 541        | WWA1     | S              | MID-EBB            | 22-Jun-07              | 16:25       | 6,90     | 29.9<br>29.7 | 7.50         | 7.44         | 7,58              | 110.0        | 109.9        | 8.0        | 20.8          | 4.8        | 4.6        |          | 7.0         | 1        |
| 542<br>543 | WWA1     | M B            | MID-EBB<br>MID-EBB | 22-Jun-07<br>22-Jun-07 | 10:20       | 0.50     | 29.1         | 7.30         | 7.22         | 7.26              | 105.6        | 103.7        | 8.0        | 21.3          | 4.6        | 4.5        | 4.7      | 15.0        | 10.8     |
| 544        | WWA2     | - <del>5</del> | MID-EBB            | 22-Jun-07              |             |          | 29.5         | 7.71         | 7.69         | 1.20              | 129.5        | 129.0        | 8,0        | 21.1          | 4.3        | 4.1        | 7.,      | 10.0        | 10.0     |
| 545        | WWA2     | M              | MID-EBB            | 22-Jun-07              | 16:12       | 6,50     | 28.6         | 7.45         | 7,37         | 7.56              | 99.9         | 98.9         | 8.0        | 24.7          | 4.7        | 4.7        |          | 7.0         | ĺ        |
| 546        | WWA2     | - <del>B</del> | MID-EBB            | 22-Jun-07              | , , , , , , | 1.55     | 28.8         | 7.85         | 7.81         | 7.83              | 115.8        | 116.3        | 8.0        | 22.9          | 4.4        | 4.4        | 4.4      | 10.5        | 9.2      |
| 547        | WWA3     | s              | MID-EBB            | 22-Jun-07              |             |          | 31.5         | 7.50         | 7.47         |                   | 123.5        | 123.6        | 8.0        | 18.5          | 4.8        | 4.7        |          | 7.5         |          |
| 548        | WWA3     | N.             | MID-EBB            | 22-Jun-07              | 16:00       | 6.70     | 29.5         | 7.25         | 7.27         | 7.37              | 108.1        | 107,3        | 8,0        | 22.3          | 2.5        | 2.5        |          | 10.5        | ĺ        |
| 549        | WWA3     | В              | MID-EBB            | 22-Jun-07              | , , , , , , |          | 29.1         | 7.61         | 7,58         | 7.60              | 113.9        | 113.2        | 8.0        | 27.9          | 4.0        | 4.1        | 3.8      | 9,0         | 9,0      |
| 550        | WRA1     | š              | MID-EBB            | 22-Jun-07              |             |          | 29.5         | 7.67         | 7.62         |                   | 117,6        | 117.1        | 8,0        | 18.6          | 4.0        | 3.8        |          | 12.0        |          |
| 551        | WRA1     | M              | MID-EBB            | 22-Jun-07              | 16:40       | 29.50    | 29.0         | 7.46         | 7.40         | 7.54              | 109.4        | 109.2        | 8.0        | 22.6          | 4.8        | 4.8        |          | 9.5         | i l      |
| 552        | WRA1     | 8              | MID-EBB            | 22-Jun-07              |             | ·        | 27.6         | 7,36         | 7.35         | 7.36              | 105.2        | 103.7        | 8.0        | 26.9          | 4.9        | 4.7        | 4.5      | 8.5         | 10.0     |
| 553        | WRA2     | s l            | MID-EBB            | 22-Jun-07              |             |          | 30.0         | 7.76         | 7.73         |                   | 117.6        | 115.8        | 8.0        | 18.2          | 4.7        | 4.6        |          | 12.0        |          |
| 554        | WRA2     | М              | MID-EB8            | 22-Jun-07              | 16:53       | 28.60    | 28.7         | 6.53         | 6.52         | 7.14              | 107.0        | 103.5        | 8.0        | 23.7          | 4.4        | 4.5        |          | 8.0         | i        |
| 555        | WRA2     | В              | MID-EBB            | 22-Jun-07              |             |          | 27.6         | 6.41         | 6.39         | 6,40              | 105.0        | 104,2        | 8,0        | 27.9          | 4.0        | 3.9        | 4.3      | 9.5         | 9.8      |
| 556        | WRA3     | s              | MID-EBB            | 22-Jun-07              |             |          | 30.3         | 6.71         | 6.64         |                   | 114.9        | 113.5        | 8.0        | 17.2          | 4.1        | 4.1        |          | 7,0         |          |
| 557        | WRA3     | M              | MID-EBB            | 22-Jun-07              | 17:04       | 27.50    | 28.7         | 7.21         | 7.26         | 6.96              | 109.0        | 108.5        | 8.0        | 24.1          | 4.0        | 3,9        |          | 12.5        | i        |
| 558        | WRA3     | В              | MID-EBB            | 22-Jun-07              |             |          | 29.9         | 7.18         | 7.15         | 7.17              | 107.7        | 107.0        | 8.0        | 17.1          | 3.7        | 3.8        | 3.9      | 7,5         | 9,0      |
| 559        | WWFCZ1   | S              | MID-EB8            | 22-Jun-07              |             |          | 29.9         | 5.86         | 5.82         |                   | 90.6         | 92.2         | 8.0        | 17.7          | 4.0        | 4.1        |          | 10,5        | i        |
| 560        | WWFCZ1   | M              | MID-EBB            | 22-Jun-07              | 17:49       | 38.70    | 28.3         | 6.36         | 6.32         | 6.09              | 102.2        | 102.7        | 8.0        | 25.2          | 4.2        | 4.2        |          | 6.5         | i l      |
|            | WWFCZ1   | В              | MID-EBB            | 22-Jun-07              |             |          | 29.2         | 6.10         | 6.06         | 6.08              | 107.6        | 107.5        | 8.0        | 28.1          | 4.6        | 4.7        | 4,3      | 7.0         | 8.0      |
|            | WWFCZ2   | S              | MID-EBB            | 22-Jun-07              |             | Π        | 30.2         | 6.36         | 6.32         |                   | 119.5        | 118.2        | 8.0        | 17.7          | 5.1        | 5.1        |          | 9.0         |          |
|            | WWFCZ2   | М              | MID-EBB            | 22-Jun-07              | 17:34       | 39.20    | 29.3         | 6.18         | 6,15         | 6.25              | 107.5        | 106.7        | 8.0        | 18.6          | 4.9        | 5.0        |          | 7.5         |          |
|            | WWFC22   | В              | MID-EBB            | 22-Jun-07              |             |          | 28.2         | 6.87         | 6.14         | 6.51              | 116.2        | 115.4        | 8.0        | 25.9          | 4.5        | 4.5        | 4.8      | 7.5         | 8.0      |
|            | WFCZR1   | S              | MID-EBB            | 22-Jun-07              |             |          | 30.1         | 5,71         | 5.75         |                   | 84.4         | 84.3         | 8.0        | 18.1          | 3.2        | 3.4        |          | 14.5        |          |
|            | WFCZR1   | M              | MID-EBB            | 22-Jun-07              | 18:00       | 40.10    | 28,2         | 6.59         | 6.72         | 6.19              | 110.9        | 108.9        | 0.8        | 26.0          | 5.0        | 4.3        | 4.0      | 13.5        | امیدا    |
|            | WFCZR1   | В              | MID-EBB            | 22-Jun-07              | $\vdash$    |          | 28.3         | 6,40         | 6.35         | 6.38              | 103.6        | 102.3        | 8.0        | 25.7          | 5.0        | 4.9        | 4.3      | 7.5         | 11.8     |
| 568        | WFCZR2   | S              | MID-EBB            | 22-Jun-07              | 47.05       |          | 28.9         | 6.36         | 6.31         | 6.00              | 197,9        | 117.5        | 8.0        | 22.0          | 4.1        | 4.3        |          | 8.0         |          |
|            | WFCZR2   | М              | MID-EBB            | 22-jun-07              | 17:20       | 39.80    | 27.9         | 6.32         | 6.28         | 6.32              | 112.6        | 110.7        | 8.0        | 25.7          | 4.1        | 4.1        | 4.1      | 9.0<br>6.5  | 7.8      |
|            | WFCZR2   | В              | MID-EBB            | 22-Jun-07              |             |          | 27.0         | 6.10         | 6.09         | 5.10              | 108.2        | 107.6        | 8.0<br>8.0 | 28.9<br>28.2  | 3.9<br>5.0 | 4.9        | 4,1      | 9.5         | 1.0      |
| 571        | WWA1     | S              | MID-FLOOD          | 22-Jun-07<br>22-Jun-07 | 12:29       | 7.20     | 27.0<br>29.6 | 5.96<br>5.92 | 5.93<br>5.90 | 5.93              | 91.8<br>89.6 | 91.3<br>89.3 | 8.0        | 16.8          | 4.6        | 4.6        |          | 10.0        |          |
| 572        | WWA1     | В              | MID-FLOOD          | 22-Jun-07<br>22-Jun-07 | 12.29       | 7.20     | 29.3         | 5.89         | 5.84         | 5.87              | 85.5         | 84.6         | 8.0        | 17.6          | 4.7        | 4.6        | 4.7      | 7.0         | 8.8      |
| 573        | WWA1     | B              | MID-LLOOP          | 22-JUII-01             | <u> </u>    |          | 28.3         | 5.08         | 3,04         | 3.07              | 05.5         | 04.0         | 0.0        | 17.0          | 7.7        | 7.0        |          | 7.0         | 0.0      |

 $\label{lem:convergence} Ghenve project (24583) cov\_data imarine impact! Data Evaluation monthly of the convergence of the con$ 

Page 13 of 18

|     |          |     | -                  |                        |       |          |              |              |              |                   |              |              | ,          |               |                       |                       |                   |                          |                   |
|-----|----------|-----|--------------------|------------------------|-------|----------|--------------|--------------|--------------|-------------------|--------------|--------------|------------|---------------|-----------------------|-----------------------|-------------------|--------------------------|-------------------|
| · · |          |     |                    |                        |       |          | Temp.        | DO           |              |                   | DO, %        | DO: %        |            |               | T. addison            | T. and Said Street    | NTU,              | Supposeded               | SS,               |
| Lab | l l      | D   |                    | o                      | T:    | Water    | °C           | DO, mg/L     |              | DO, Average value | saturation . | saturation   | alt Haif   | Salinity, ppt | Turbidity,<br>NTU (1) | Turbidity,<br>NTU (2) | Averaged<br>Value | Suspended<br>Solid, mg/L | Averaged<br>Value |
| ū   | Location |     | Tide               | Sampling Date          | Time  | depth, m |              | (1)          | (2)          | DO, Average value |              | (2)          |            |               |                       |                       | value             |                          | Value             |
| 574 | WWA2     | Ş   | MID-FLOOD          | 22-Jun-07              |       |          | 29.3         | 6.20         | 6.16         | 2.40              | 96.1         | 95.8         | 8.0<br>8.0 | 17.4<br>16.6  | 4.4                   | 4.3<br>3.9            |                   | 9.0<br>7.0               | 1                 |
| 575 | WWA2     |     | MID-FLOOD          | 22-Jun-07              | 12:14 | 6.80     | 29,9         | 6.09         | 6.02         | 6.12              | 92.0         | 9,00         |            |               |                       |                       | 4.4               | 6,5                      | 7.5               |
| 576 | WWA2     | ₽   | MID-FLOOD          | 22-Jun-07              |       |          | 29.5         | 5.79         | 5,70         | 5.75              | 86.1         | 85.9         | 8.0        | 17.1          | 4.2                   | 4.2                   | 4,1               |                          | 7.5               |
| 577 | WWA3     | s   | MID-FLOOD          | 22-Jun-07              | 40.00 |          | 29.4         | 5.99         | 5.90         | . ac              | 89.1         | 88,5<br>90,6 | 8.0        | 17.3<br>16.6  | 4.5                   | 4.4                   |                   | 8.0<br>9.5               |                   |
| 578 | WWA3     | M   | MID-FLOOD          | 22-Jun-07              | 12:00 | 6.90     | 29.8         | 5.86         | 5,81         | 5.89              | 91.2         |              | 8.0        | 19.2          | 4.2                   | 4.3                   | 4.3               | 10.5                     |                   |
| 579 | WWA3     | В   | MID-FLOOD          | 22-Jun-07              |       |          | 28.9<br>27.8 | 5.59         | 5.54<br>5,92 | 5.57              | 80.1<br>86.7 | 80.8<br>85.7 | 8.0<br>8.0 | 26.3          | 4.2                   | 4.3                   | 4.3               | 12.0                     | 9.3               |
| 580 | WRA1     | S   | MID-FLOOD          | 22-Jun-07              | 10.45 | 29.80    |              | 5.89         | 5.80         | 5.86              | 87.9         | 87.3         | 8,0        | 16.9          | 4.5                   | 4.6                   |                   | 8.5                      | i                 |
| 581 | WRA1     | M   | MID-FLOOD          | 22-Jun-07              | 12:45 | 29.80    | 23,3         | 5.81<br>5,76 | 5.70         | 5.73              | 86.9         | 85.1         | 8.0        | 18.8          | 4.8                   | 4.6                   | 4.5               | 12.5                     | 11.0              |
| 582 | WRA1     | В   | MID-FLOOD          | 22-Jun-07              |       |          |              | 6,47         | 6.41         | 5./3              | 91,2         | 90,6         | 8.0        | 16.8          | 4.2                   | 4.3                   | 4.3               | 16.0                     | 11.0              |
| 583 | WRA2     | ω   | MID-FLOOD          | 22-Jun-07              | 13:00 | 29.70    | 29.6<br>27.7 | 6.40         | 6,36         | 6.41              | 90.0         | 87.2         | 8.0        | 16.4          | 4.4                   | 4.4                   |                   | 9.0                      | i                 |
| 584 | WRA2     | М   | MID-FLOOD          | 22-Jun-07              | 13:00 | 29.70    | 29.2         |              | 5.52         | 6,04              | 92.0         | 91.1         | 8.0        | 18.5          | 5.0                   | 5.0                   | 4.5               | 8.0                      | 11,0              |
| 585 | WRA2     | В   | MID-FLOOD          | 22-Jun-07              |       |          |              | 6.56         | 7.05         | 6,04              | 100.1        | 97.6         | 8.0        | 15.9          | 4.2                   | 4.2                   | 7.0               | 8.0                      | 11,0              |
| 586 | WRA3     | S   | MID-FLOOD          | 22-Jun-07<br>22-Jun-07 | 13:14 | 28.70    | 30.1<br>28.5 | 7,09<br>5.70 | 5.62         | 6.37              | 83.6         | 83.4         | 8.0        | 22.1          | 4.2                   | 4.2                   |                   | 8.0                      | i                 |
| 587 | WRA3     | M   | MID-FLOOD          |                        | 13.14 | 20.10    | 27.3         | 5,62         | 5,58         | 5.60              | 80.1         | 80.0         | 8.0        | 27.4          | 3.9                   | 3.8                   | 4.1               | 11.0                     | 9.0               |
| 588 | WRA3     | В   | MID-FLOOD          | 22-Jun-07              |       |          | 30,0         | 7.83         | 7.82         | 3.00              | 114.7        | 114.5        | 8.0        | 15,4          | 4.1                   | 4.1                   |                   | 9.0                      | 9.0               |
| 589 | WWFCZ1   | S   | MID-FLOOD          | 22-Jun-07              | 13:55 | 39.50    | 28.7         | 6.87         | 6.85         | 7.34              | 100,4        | 100.1        | 8.0        | 20.5          | 4.2                   | 4.2                   |                   | 7.0                      | i                 |
|     | WWFCZ1   | M   | MID-FLOOD          | 22-Jun-07              | 13.33 | 39.50    | 27.3         | 5.BB         | 5.76         | 5.82              | 89.6         | 88.2         | 8.0        | 26.9          | 4.5                   | 4.6                   | 4.3               | 10.0                     | 8.7               |
|     | WWFCZ1   | В . | MID-FLOOD          | 22-Jun-07              |       |          | 29.7         | 6.70         | 6.56         | 3.02              | 119.0        | 119.3        | 8.0        | 15.9          | 4.2                   | 4.1                   | 4.5               | 8,5                      |                   |
|     | WWFCZ2   |     | MID-FLOOD          | 22-Jun-07              | 13:40 | 40.10    | 28.5         | 5.99         | 6.03         | 6.32              | 86.2         | 86.8         | 8.0        | 21.4          | 3.2                   | 3,4                   |                   | 10.5                     | i                 |
|     | WWFCZ2   | М   | MID-FLOOD          | 22-Jun-07              | 13:40 | 40.10    | 26.5         | 5.99         | 5.90         | 5.94              | 87.3         | 84.0         | 8.0        | 29.0          | 4.3                   | 4.2                   | 3.9               | 11.0                     | 10,0              |
|     | WWFCZ2   | В   | MID-FLOOD          | 22-Jun-07              |       |          | 30.8         |              | 6.08         | 5.94              | 100.6        | 99.8         | 8.0        | 15.2          | 3.8                   | 3.7                   | 3.5               | 8.0                      | 10.0              |
|     | WFCZR1   | S   | MID-FLOOD          | 22-Jun-07              | 14:07 | 41.20    | 27.8         | 6.10<br>5.67 | 5.05         | 5.73              | 79.8         | 77.7         | 8.0        | 28.4          | 3.5                   | 3.6                   |                   | 8,5                      | i                 |
|     | WFCZR1   |     | MID-FLOOD          | 22-Jun-07              | 14:07 | 41.20    |              |              | 6.05         | 6.05              | 79.6<br>89.6 | 88.5         | 0.8        | 20.9          | 4.1                   | 4.2                   | 3.8               | 6.0                      | 7.5               |
|     | WFCZR1   | B   | MID-FLOOD          | 22-Jun-07              |       |          | 28,7         | 7.67         | 7.62         | 0.05              | 114.8        | 114.0        | 8,0        | 17.0          | 4.1                   | 4.1                   | 3.0               | 9.5                      | 7.5               |
|     | WFCZR2   |     | MID-FLOOD          | 22-Jun-07              | 42.77 | 40.70    | 29.3         |              | 6.14         | # 00              | 86.0         | 86.2         | 8.0        | 23.0          | 4.1                   | 4.1                   |                   | 8.5                      |                   |
|     | WFCZR2   | M   | MID-FLOOD          | 22-Jun-07              | 13:27 | 40.70    | 28.0         | 6,09<br>5.49 | 5.44         | 6.88<br>5.47      | 84.1         | 83,7         | 8,0        | 28.8          | 4.0                   | 3.9                   | 4.0               | 9.0                      | 9.0               |
|     | WFCZR2   | В   | MID-FLOOD          | 22-Jun-07              |       |          | 26.9         |              | 7.82         | 7.47              | 115.3        | 114,4        | 7,9        | 10.3          | 4.9                   | 4.8                   | 4.0               | 6.0                      | 5.0               |
| 601 | WWA1     | S   | MID-EBB            | 25-Jun-07              | 0.07  | 7.10     | 30.7         | 7.67         |              | 7.37              | 106.3        | 105.4        | 7.9        | 9.9           | 6.3                   | 6.2                   |                   | 9.0                      |                   |
| 602 | WWA1     | M   | MID-EBB            | 25-Jun-07              | 9:27  | . 1.10   | 31.3         | 7,03<br>6.20 | 6.95<br>5.13 | 6.17              | 91.4         | 90.9         | 7.9        | 25.2          | 5,5                   | 5.5                   | 5.5               | 10.5                     | 8.5               |
| 603 | WWA1     | B   | MID-EBB            | 25-Jun-07              |       |          |              | 7.57         | 7.62         | 0.17              | 124.3        | 123.1        | 7.9        | 10.0          | 4.5                   | 4.5                   | 5.5               | 6,0                      | 0.5               |
| 604 | WWA2     | Š   | MID-EBB            | 25-Jun-07              | 9:13  | 6.80     | 31.4         | 7.27         | 7.25         | 7.43              | 102.2        | 101.8        | 7.9        | 11.4          | 6.4                   | 6.4                   |                   | 9.0                      |                   |
| 605 | WWA2     | M   | WID-EBB            | 25-Jun-07              | 9.13  | 0.00     | 31.1         | 7.40         | 7.35         | 7.38              | 115.0        | 114.1        | 7.9        | 10.0          | 5.5                   | 5.4                   | 5.4               | 13.0                     | 9.3               |
| 606 | WWA2     | - B | MID-EBB            | 25-Jun-07<br>25-Jun-07 |       |          | 30.9         | 7.40         | 7.41         | 1.90              | 96.9         | 96.3         | 7.9        | 11.1          | 5.4                   | 5.4                   | V.T               | 8.0                      |                   |
| 607 | WWA3     |     | MID-EBB            |                        | 9:00  | 6.70     | 31.2         | 7.74         | 7.41         | 7.58              | 113.5        | 112.7        | 7.9        | 10.6          | 4.3                   | 4.3                   |                   | 13.0                     |                   |
| 808 | WWA3     | M   | MID-EBB<br>MID-EBB | 25-Jun-07<br>25-Jun-07 | 9.00  | 0.70     | 31.0         | 7.50         | 7.49         | 7.50              | 101.5        | 105.6        | 7.9        | 10.9          | 5.6                   | 5.5                   | 5.1               | 9.0                      | 10.0              |
| 609 | WWA3     | В   |                    | 25-Jun-07<br>25-Jun-07 |       |          | 31.2         | 7.96         | 7,49         | 1.00              | 116.0        | 115.8        | 7.9        | 10.5          | 3.7                   | 3.6                   | 9.1               | 11.5                     |                   |
| 610 | WRA1     | S   | MID-EBB<br>MID-EBB | 25-Jun-07<br>25-Jun-07 | 9:40  | 31.30    | 30.4         | 7.27         | 7.14         | 7.57              | 97,3         | 98.7         | 7,9        | 13.5          | 3.2                   | 3.3                   |                   | 11.5                     |                   |
| 611 | WRA1     | M   |                    |                        | 9:40  | 31.30    |              | 5.49         | 7.14<br>5.45 | 5.47              | 83.7         | 80.7         | 7.9        | 26.3          | 4.0                   | 3.9                   | 3.6               | 7.5                      | 10,2              |
| 612 | WRA1     | В   | MID-EB9            | 25-Jun-07              |       |          | 28.1         | 7.74         | 7.71         | 3.47              | 111.3        | 111.2        | 7.9        | 10.0          | 3.5                   | 3.5                   | 0.0               | 8.0                      | 10,2              |
| 613 | WRA2     | S   | MID-EBB            | 25-Jun-07              | 9:53  | 30.90    | 31.1<br>29.6 | 6.01         | 5.92         | 6,85              | 93.2         | 91.5         | 7.9        | 18.6          | 4.1                   | 4.1                   |                   | 6.5                      |                   |
| 614 | WRA2     | M   | MID-EB8            | 25-Jun-07              | 8:53  | 30.90    |              |              | 5.92         | 5.54              | 76.3         | 76.0         | 7.9        | 25.5          | 4.1                   | 4.1                   | 3,9               | 6.0                      | 6.8               |
| 615 | WRA2     | В   | MID-EBB            | 25-Jun-07              |       | -        | 28.0<br>31.1 | 5.57<br>7.77 | 7.72         | 0.34              | 113.0        | 112.3        | 7.9        | 10.2          | 4.0                   | 3.9                   | 3,8               | 5.0                      | 0,0               |
| 616 | WRA3     | ş   | MID-EB8            | 25-Jun-07              | 10.00 | 29.70    |              | 5.80         | 5.67         | 6.74              | 78.6         | 78.2         | 7.9        | 18.7          | 3,5                   | 3.5                   |                   | 6.0                      |                   |
| 617 | WRA3     | M   | MID-E8B            | 25-Jun-07              | 10:06 | 28.70    | 29.4         | 3.60         | 3.07         | 0.14              | 70.0         | 19.2         | ا د.       | 10,7          | 3,5                   | 3,5                   | i                 | U.U.                     |                   |

| Ţ.,        |                |          |                        |                        | T   |                   | Temp.        | L               |                 | ł                 | DO, %             | DO, %             |            | r -           |                       |                       | NTU,              |                          | SS,               |
|------------|----------------|----------|------------------------|------------------------|---|-------------------|--------------|-----------------|-----------------|-------------------|-------------------|-------------------|------------|---------------|-----------------------|-----------------------|-------------------|--------------------------|-------------------|
| Lab<br>ID  | Location       | Position | Tide                   | Sampling Date          | Time  | Water<br>depth. m | °C           | DO, mg/L<br>(1) | DO, mg/L<br>(2) | DO, Average value | saturation<br>(1) | saturation<br>(2) | oH Unii    | Satinity, ppt | Turbidity,<br>NTU (1) | Turbidity,<br>NTU (2) | Averaged<br>Value | Suspended<br>Solid, mg/L | Average:<br>Value |
| 618        | WRA3           | В        | MID-EBB                | 25-Jun-07              | 1 /////                                     | 30p, //           | 28.1         | 5.40            | 5.40            | 5.40              | 75.7              | 75.1              | 7.9        | 24.4          | 4.1                   | 4.1                   | 3.8               | 5.0                      | 5.3               |
|            | WWFCZ1         | <u>5</u> | MID-EBB                | 25-Jun-07              | 1   |                   | 31.8         | 7,54            | 7.53            | 0.40              | 108.6             | 108.8             | 7.9        | 9.6           | 3.9                   | 3.8                   | 0.0               | 6.0                      |                   |
| 620        | WWFCZ1         | M        | MID-EBB                | 25-Jun-07              | 10:49                                       | 38.90             | 31.5         | 7.36            | 7,33            | 7.44              | 102.1             | 101.6             | 7.9        | 12.0          | 3.8                   | 3,9                   |                   | 9.5                      | l                 |
| 621        | WWFCZ1         | B        | MID-EB9                | 25-Jมก-07              | 1   |                   | 28.7         | 5.48            | 5.46            | 5.47              | 82.5              | 80.5              | 7.9        | 23.9          | 4.2                   | 4.2                   | 4.0               | 8.0                      | 7.8               |
| 522        | WWFC22         | S        | MID-EBB                | 25-Jun-07              |   |                   | 31.4         | 7.73            | 7.72            |                   | 110.8             | 110.8             | 7.9        | 10.4          | 5.0                   | 4.9                   |                   | 11.0                     |                   |
| 623        | WWFCZ2         | M        | MID-EBB                | 25-Jun-07              | 10:34                                       | 39,20             | 30.0         | 5.90            | 5.86            | 6.80              | 90.7              | 89.5              | 7.9        | 18.5          | 4.1                   | 4.2                   |                   | 7.0                      | l                 |
| 624        | WWFCZ2         | В        | MID-EBB                | 25-Jun-07              | 1   | ·                 | 27.9         | 5.40            | 5.35            | 5.38              | 78.7              | 79.1              | 7.9        | 25.7          | 4.1                   | 4.2                   | 4.4               | 8.5                      | 8.8               |
| 625        | WFCZR1         | S        | - MID-EBB              | 25-Jun-07              |   |                   | 33.2         | 7.16            | 7.10            |                   | 104.2             | 103.8             | 7.9        | 9.3           | 4.0                   | 3.9                   |                   | 5.0                      |                   |
| 626        | WFCZR1         | M        | MID-EBB                | 25-Jun-07              | 11:03                                       | 41.70             | 30.1         | 5.95            | 5.92            | 6.53              | 82.4              | 82.2              | 7,9        | 20.0          | 3.6                   | 3.5                   |                   | 7.0                      | ļ                 |
|            | WFCZR1         | В        | MID-EBB                | 25-Jun-07              |   |                   | 28.6         | 5.44            | 5.41            | 5.43              | 81.4              | 79.7              | 7.9        | 25.9          | 3.2                   | 3.4                   | 3.6               | 9.5                      | 7.2               |
| -          | WFCŽŔ2         | S        | MID-EBB                | 25-Jun-07              | ł   |                   | 31.0         | 7,68            | 7.67            |                   | 110.6             | 110.2             | 7.9        | 10.7          | 4.1                   | 4.1                   |                   | 6.0                      |                   |
|            | WFCZR2         | M        | MID-EBB                | 25-Jun-07              | 10:20                                       | 40.50             | 29.6         | 5.41            | 5.69            | 6.61              | 84.6              | 84.5              | 7.9        | 19.8          | 3.6                   | 4.0                   |                   | 9.5                      |                   |
|            | WFCZR2         | В        | MID-EB8                | 25-Jun-07              |   |                   | 27.6         | 5.33            | 5.27            | 5.30              | 75.8              | 75.3              | 7.9        | 26.9          | 4.0                   | 3.9                   | 3.9               | 6.5                      | 7.3               |
| 631        | WWA1           | 8        | MID-FLOOD              | 25-Jun-07              | l i   |                   | 30.6         | 6.94            | 6.95            |                   | 97.3              | 97.2              | 7.9        | 10.0          | 4.8                   | 4,6                   |                   | 5.0                      |                   |
| 632        | WWA1           | М        | MID-FLOOD              | 25-Jun-07              | 16:24                                       | 7.30              | 30.4         | 6.94            | 6.98            | 6.95              | 97.6              | 96.9              | 7,9        | 10,3          | 5.2                   | 5.1                   |                   | 9,5                      |                   |
| 633        | WWA1           | B        | MID-FLOOD              | 25-Jun-07              |   |                   | 30.9         | 6.84            | 6.82            | 6.63              | 100.5             | 99.5              | 7.9        | 10.3          | 5.1                   | 5.0                   | 5.0               | 8.0                      | 7.5               |
| 634        | WWA2           | S        | MiD-FLOOD              | 25-Jun-07              | 16:09                                       | 6.90              | 30.9         | 6.88            | 6.92            |                   | 94.6              | 95.7              | 7.9        | 9.4           | 4.7                   | 4.7                   |                   | 7.0                      |                   |
| 635        | WWA2           | M        | MID-FLOOD              | 25-Jun-07              | 16:09                                       | 0.90              | 30.7         | 6.91            | 6.89            | 6.90              | 98.1              | 99.1              | 7.9        | 10.0          | 5.1                   | 5.2                   |                   | 8.0                      |                   |
| 636<br>637 | WWA2<br>WWA3   | B        | MID-FLOOD<br>MID-FLOOD | 25-Jun-07              |   |                   | 30,5         | 6.89            | 6.84            | 6.87              | 100.2             | 99.4              | 7.9        | 10.2          | 5.6                   | 5.5                   | 5.1               | 7.0                      | 7.3               |
| 638        | WWA3           | M        | MID-FLOOD              | 25-Jun-07<br>25-Jun-07 | 16:00                                       | 6.90              | 31.0         | 6.79            | 6.74            | 6.49              | 98.3<br>90.5      | 97.4<br>89.9      | 7.9<br>7.9 | 9.4<br>11.4   | 4.5                   | 4.7                   |                   | 5.5<br>12.0              |                   |
| 639        | WWA3           | M        | MID-FLOOD              | 25-Jun-07              | 70.00                                       | 0.90              | 30.5         | 6.70            | 6.69            | 6.70              | 96.1              | 95.4              | 7.9        | 11.4          | 5.0                   | 4.5<br>5.1            | 4.8               | 13.5                     | 10.3              |
| 640        | WRA1           | S        | MID-FLOOD              | 25-Jun-07              |   |                   | 30.4         | 6.40            | 6.37            | 0.70              | 96.2              | 95.8              | 7.9        | 9.2           | 4.0                   | 3.8                   | 4.0               | 8.5                      | 10.3              |
| 641        | WRA1           | М        | MID-FLOOD              | 25-Jun-07              | 16:39                                       | 31,70             | 30.0         | 6.30            | 6.25            | 6.33              | 97.2              | 95.8              | 7.9        | 13.8          | 3.5                   | 3.5                   |                   | 5.5                      |                   |
| 642        | WRA1           | В.       | MID-FLOOD              | 25-Jun-07              | 10,55                                       | 310               | 25.1         | 5.50            | 5,43            | 5.47              | 74.0              | 73.3              | 7.9        | 24.8          | 4.0                   | 3.9                   | 3.8               | 8.0                      | 7.3               |
| 643        | WRA2           | s        | MID-FLOOD              | 25-Jun-07              |   |                   | 30.4         | 7.24            | 7.19            | V.41              | 105.1             | 104.3             | 7.9        | 9.7           | 4.1                   | 4.1                   |                   | 6.5                      |                   |
| 644        | WRA2           | M        | MID-FLOOD              | 25-Jun-07              | 16:48                                       | 31.50             | 30.2         | 6.60            | 6.59            | 6.91              | 94.0              | 93.5              | 7.9        | 11.3          | 4.1                   | 4.2                   |                   | 10.0                     |                   |
| 645        | WRA2           | 8        | MID-FLOOD              | 25-Jun-07              |   |                   | 27.9         | 6.04            | 5.92            | 5.98              | 74.5              | 74.3              | 7.9        | 25.7          | 4.0                   | 4.1                   | 4.1               | 6.5                      | 7.7               |
| 646        | WRA3           | S.       | MiD-FLOOD              | 25-Jun-07              |   |                   | 30.3         | 7.40            | 7.32            |                   | 97.2              | 99,5              | 7.9        | 9.9           | 4.0                   | 4.0                   |                   | 5.5                      |                   |
| 647        | WRA3           | M        | MID-FLOOD              | 25-Jun-07              | 17:02                                       | 30.60             | 29.6         | 7.02            | 6,90            | 7.16              | 91.0              | 90.6              | 7.9        | 15.7          | 3.4                   | 3.6                   |                   | 6.0                      |                   |
| 648        | WRA3           | B"⁵      | MID-FLOOD              | 25-Jun-07              |   |                   | 28.8         | 5.85            | 5.80            | 5.83              | 90.3              | 88.7              | 7.9        | 22.0          | 4.1                   | 4.2                   | 3.9               | 5.0                      | 5.5               |
| 649        | WWFCZ1         | S        | MID-FLOOD              | 25-Jun-07              |   |                   | 30.3         | 7.19            | 7,24            |                   | 99.2              | 98.9              | 7.9        | 9,5           | 3.9                   | 3.9                   |                   | 6.0                      |                   |
|            | WWFCZ1         | Marri    | MID-FLOOD              | 25-Jun-07              | 17:44                                       | 39.70             | 30.1         | 6.99            | 7.07            | 7.12              | 102.4             | 98.9              | 7.9        | 11.3          | 4.1                   | 4.1                   |                   | 6.5                      |                   |
|            | WWFCZ1         | В        | MID-FLOOD              | 25-Jun-07              |   | f                 | 28.9         | 5.89            | 5.81            | 5.85              | 80.1              | 79.4              | 7.9        | 21.9          | 4.1                   | 4,1                   | 4,0               | 6,5                      | 6.3               |
|            | WWFCZ2         | Ş        | MID-FLOOD              | 25-Jun-07              |   |                   | 30.1         | 7.50            | 7.45            |                   | 108.6             | 107.0             | 7.9        | 9.8           | 5.0                   | 5.0                   |                   | 7.0                      |                   |
|            | WWFCZ2         | М        | MID-FLOOD              | 25-Jun-07              | 17;30                                       | 40,60             | 29.9         | 7.21            | 7.12            | 7.32              | 98.8              | 98.7              | 7.9        | 12.5          | 4.2                   | 4.3                   |                   | 8.5                      |                   |
|            | NWFCZ2         | В        | MID-FLOOD              | 25-Jun-07              |   |                   | 28.2         | 5.60            | 5.56            | 5.58              | 82.2              | 81.5              | 7.9        | 21.7          | 4.3                   | 4.1                   | 4.5               | 9.5                      | 8.3               |
|            | WFCZR1         | S        | MID-FLOOD              | 25-Jun-07              | <u>,                                   </u> |                   | 30.1         | 6.88            | 6.83            |                   | 103.9             | 102.0             | 7.9        | 10.5          | 4.1                   | 4.0                   |                   | 5.0                      |                   |
|            | WFCZR1         | M        | MID-FLOOD              | 25-Jun-07              | 17:57                                       | 42.30             | 29.7         | 6.88            | 6.72            | 6.83              | 101.5             | 101.0             | 7.9        | 13.9          | 3.8                   | 3.6                   |                   | 6.0                      |                   |
|            | WFCZR1         | В        | MID-FLOOD              | 25-Jun-07              |   |                   | 26.9         | 6.46            | 6.41            | 6.44              | 90,6              | 89.2              | 7.9        | 28.0          | 4.0                   | 9,6                   | 3.9               | 6,0                      | 5,7               |
|            | WFCZR2         | s        | MID-FLOOD              | 25-Jun-07              | ا ءء.دو ا                                   | 41.20             | 30.4         | 7.46            | 7.51            | 7.00              | 105.8             | 105.7             | 7.9        | 9.8           | 3.2                   | 3.3                   |                   | 5.0                      |                   |
|            | WFCZR2         | M<br>B   | MID-FLOOD              | 25-Jun-07<br>25-Jun-07 | 17:18                                       | 41.20             | 30.1<br>28.2 | 7.04<br>5.52    | 6.86            | 7.22<br>5.50      | 106,5<br>83,7     | 105.3<br>82.1     | 7,9<br>7.9 | 11.9<br>23.0  | 3.6                   | 3.6                   |                   | 6.0                      | E 7               |
| 661        | WFCZRZ<br>WWA1 | S        | MID-FLOOD              | 27-Jun-07              |   |                   | 30.2         | 5.58            | 5.47<br>5.52    | 0.00              | 83.7              | 82.0              | 8.0        | 14.9          | 3.9<br>4.7            | 3.9<br>4.7            | 3.6               | 6.0                      | 5.7               |
| 001        | AAAAWI         | اد       | HID-EDD                | 21-Juli-01             | ı I   | L                 | JU.E         | 5.30            | 3.32            |                   | 02.0              | 02.9              | 0,0        | 14.0          | 4.1                   |                       |                   | 0,0                      |                   |

Gienviproject 24583/env\_data-marine/impactiData Evaluation/monthly/

Page 15 of 18

| 662<br>663<br>664 | Location<br>WWA1 | Position<br>M    | Tide               | Sampling Date          | Times  | Water    | Temp.        | DO, mg/L     | DO mo/l      | l i               | DO, %        | DO, %<br>saturation | [        |                  | Turbidity, | Turbidity.    | Averaged | Suspended   | SS,<br>Averaged |
|-------------------|------------------|------------------|--------------------|------------------------|--------|----------|--------------|--------------|--------------|-------------------|--------------|---------------------|----------|------------------|------------|---------------|----------|-------------|-----------------|
| 662<br>663<br>664 | WWA1             |                  | Tide               | Sampling Date          | Times  |          |              |              |              |                   |              |                     |          |                  | rurbanty,  | 1 * minimity. |          |             |                 |
| 663<br>664        |                  | f.t.             |                    |                        | i inne | depth, m | °C           | (1)          | (2)          | DO, Average value | (1)          | (2)                 | pH, Unit | Salinity, ppt    | NTU (1)    | NTU (2)       | Value    | Solid, mg/L | Value           |
| 664               | WWA1             |                  | MID-EBB            | 27-Jun-07              | 11:25  | 6.50     | 30.0         | 5.48         | 5,44         | 5.50              | 85,0         | 83,1                | 8.0      | 15.0             | 4.2        | 4.2           |          | 10.5        |                 |
|                   |                  | В                | MID-EBB            | 27-Jun-07              |        |          | 30.0         | 5.39         | 5.39         | 5.39              | 81,0         | 80.3                | 8.0      | 15,1             | 4.0        | 3.9           | 4.3      | 5,0         | 7,2             |
|                   | WWA2             | s                | MID-E8B            | 27-Jun-07              |        |          | 30.4         | 5.43         | 5.41         |                   | 78.0         | 76.5                | 8.0      | 14.0             | 4.1        | 4.2           |          | 5.0         |                 |
| 665               | WWA2             | М                | MID-EBB            | 27-Jun-07              | 11:13  | 6,30     | 30.2         | 5.50         | 5.48         | 5.46              | 76.9         | 76.0                | 8.0      | 15.2             | 4.4        | 4.4           |          | 5.0         |                 |
|                   | WWA2             | В                | MID-EBB            | 27-Jun-07              |        |          | 30.0         | 5.60         | 5.53         | 5.57              | 75.4         | 75.2                | 8.0      | 15.1             | 5.0        | 5.1           | 4.5      | 6.5         | 5.5             |
| 667               | <b>EAWW</b>      | S                | MID-EBB            | 27-Jun-07              |        |          | 30.4         | 5.70         | 5,61         |                   | 77.7         | 77.1                | 8.0      | 15.1             | 4.8        | 4.8           |          | 5.5         |                 |
|                   | WWA3             | М                | MID-EBB            | 27-Jun-07              | 11:00  | 6.40     | 30.3         | 5.54         | 5.50         | 5.59              | 76.9         | 76.4                | 8.0      | 15.0             | 4.3        | 4.3           |          | 5.0         |                 |
| 669               | WWA3             | В                | MID-EBB            | 27-Jun-07              |        |          | 30.3         | 5,48         | 5.43         | 5,46              | 76.0         | 75.8                | 8.0      | 15.0             | 4.2        | 4.1           | 4.4      | 5.0         | 5.2             |
|                   | WRA1             | S                | MID-EB8            | 27-Jun-07              |        |          | 30.2         | 6.19         | 6.11         |                   | 88.0         | 87.5                | 8.0      | 14.6             | 5.2        | 5.2           |          | 6.5         |                 |
|                   | WRA1             | M                | MID-EBB            | 27-Jun-07              | 11:40  | 29.10    | 29.5         | 5,80         | 5,74         | 5.96              | 81.0         | 80.2                | 8.0      | 16.7             | 4.9        | 4.7           |          | 9.0         |                 |
|                   | WRA1             | В                | MID-E8B            | 27-Jun-07              |        | !        | 28.6         | 5.70         | 5.59         | 5,65              | 78.9         | 78,4                | 8.0      | 25.4             | 4.9        | 4,8           | 5.0      | 6.0         | 7.2             |
|                   | WRA2             | S                | MID-EBB            | 27-Jun-07              | - 1    |          | 29.9         | 6.06         | 6.02         |                   | 80.3         | 79.7                | 8.0      | 15.8             | 5.0        | 5.2           |          | 5.5         |                 |
|                   | WRA2             | M                | MID-EBB            | 27-Jun-07              | 11:55  | 28.30    | 29.2         | 5,98         | 5.90         | 5.99              | 80,9         | 80.4                | 8.0      | 15. <del>9</del> | 4.2        | 4.4           |          | 7.5         |                 |
|                   | WRA2             | В                | MID-EBB            | 27-Jun-07              |        |          | 28.3         | 5.69         | 5.64         | 5.67              | 78.0         | 77.4                | 8.0      | 24.1             | 4.0        | 3.9           | 4.4      | 8.0         | 7.0             |
|                   | WRA3             | s                | MID-EBB            | 27-Jun-07              |        | }        | 29.9         | 5.88         | 5,82         |                   | 81.6         | 81.5                | 8.0      | 15.7             | 4.2        | 4.2           |          | 7.5         |                 |
|                   | WRA3             | M                | MID-EBB            | 27-Jun-07              | 12:09  | 27.20    | 29.4         | 5.76         | 5.74         | 5.80              | 78,0         | 77.6                | 8.0      | 15,3             | 4.2        | 4,4           |          | 6.5         |                 |
|                   | WRA3             | B                | MID-EBB            | 27-Jun-07              |        |          | 29.2         | 5.50         | 5.54         | 5.52              | 77.4         | 77.0                | 8.0      | 18.0             | 4.5        | 4.6           | 4.3      | 6.0         | 6.7             |
|                   | VWFCZ1           | s                | MID-EBB            | 27-Jun-07              |        |          | 29.7         | 5.76         | 5,70         | [                 | 80.0         | 79.1                | 8.0      | 27.6             | 3.7        | 3.8           |          | 5.0         |                 |
|                   | VWFCZ1           | M                | MID-EBB            | 27-Jun-07              | 12:50  | 38.50    | 28.3         | 5.58         | 5.54         | 5.65              | 78.6         | 78.4                | 8.0      | 16.0             | 3.8        | 3.7           |          | 5.0         |                 |
|                   | VWFCZ1           | В                | MID-EBB            | 27-Jun-07              |        |          | 27.5         | 5.49         | 5,44         | 5.47              | 77.0         | 76.7                | 8.0      | 14.6             | 4.0        | 4.1           | 3.8      | 5.5         | 5.2             |
|                   | VWFCZ2           | S<br>M           | MID-EBB            | 27-Jun-07              | 12:38  | 38,40    | 29.0         | 5.79         | 5.72         |                   | 80.2         | 79.0                | 8.0      | 22.4             | 4.1        | 4.2           |          | 6.0         |                 |
|                   | VWFCZZ<br>VWFCZZ |                  | MID-EBB            | 27-Jun-07              | 12:30  | 30.40    | 28.4         | 5.68         | 5.60         | 5.70<br>5.46      | 78.1         | 77.4                | 8.0      | 15.6             | 3.9        | 3.9           |          | 7.0         |                 |
|                   | VFCZR1           | B                | MID-EBB<br>MID-EBB | 27-Jun-07<br>27-Jun-07 |        |          | 28.1<br>29.5 | 5.49<br>5.67 | 5.43<br>5.61 | 3.46              | 76,8<br>78.2 | 76.4<br>77.6        | 8,0      | 14.8             | 3.2<br>3.9 | 3.4           | 3.8      | 6.5<br>5.0  | 6.5             |
|                   | NFCZR1           | <del>- M</del> - | MID-EBB            | 27-Jun-07              | 13:00  | 39.30    | 28.6         | 5.50         | 5.48         | 5.57              | 77.4         | 76.9                | 8.0      | 15.1             | 3.9        | 3.4           |          | 5.5         |                 |
|                   | NFCZR1           | - M<br>B         | MID-EBB            | 27-Jun-07              | 13.00  | 38.30    | 27.7         | 5.47         | 5.40         | 5.44              | 76.6         | 76.2                | 8.0      | 14.5             | 4.2        | 4.1           | 3.8      | 5.5<br>5.5  | 5.7             |
|                   | VFCZR2           |                  | MID-EBB            | 27-Jun-07              |        |          | 29.7         | 5.58         | 5.54         | 3,44              | 78.8         | 78.4                | 8.0      | 16.9             | 3.2        | 3.4           | 3.0      | 9.0         | 3.7             |
|                   | NFCZR2           | M                | MID-EBB            | 27-Jun-07              | 12:23  | 39.50    | 29.2         | 5.46         | 5.45         | 5.51              | 77.9         | 77,5                | 8.0      | 14.8             | 5.0        | 4.9           |          | 5.0         |                 |
|                   | VFCZR2           | ë                | MID-EBB            | 27-Jun-07              |        |          | 27.9         | 5,60         | 5.54         | 5.57              | 76.9         | 76.5                | 8.0      | 19.4             | 4.5        | 4.5           | 4.2      | 7.0         | 7.0             |
|                   | WWA1             |                  | MID-FLOOD          | 27-Jun-07              |        |          | 30.3         | 5.80         | 5,78         | V.V.              | 87.6         | 86.9                | 8.0      | 14.5             | 4.6        | 4.5           | 7.2      | 5.0         |                 |
|                   | WWA1             |                  | MID-FLOOD          | 27-Jun-07              | 16:29  | 6.70     | 30.1         | 5.60         | 5.55         | 5.68              | 88.0         | 87.1                | 8.0      | 14.8             | 4.7        | 4.5           |          | 7.0         |                 |
|                   | WWA1             |                  | MID-FLOOD          | 27-Jun-07              | 13     | h        | 30.0         | 5.78         | 5.76         | 5,77              | 81.6         | 83.3                | 8.0      | 14.9             | 4.8        | 4.8           | 4.7      | 7.5         | 6.5             |
|                   | WWA2             |                  | MID-FLOOD          | 27-Jun-07              | - 1    |          | 30.6         | 5.46         | 5.44         |                   | 81.6         | 80.8                | 8.0      | 13.8             | 4.2        | 4.2           |          | 5.0         |                 |
|                   | WWA2             |                  | MID-FLOOD          | 27-Jun-07              | 16:14  | 6.50     | 30.1         | 5.78         | 5.74         | 5.61              | 90.9         | 90.3                | 8.0      | 15.4             | 5,3        | 5.5           |          | 8.0         |                 |
|                   | WWA2             |                  | MID-FLOOD          | 27-Jun-07              |        |          | 30.1         | 6.04         | 5.92         | 5,98              | 80.1         | 80.3                | 8.0      | 15.2             | 4.5        | 4.5           | 4.7      | 8,5         | 7.2             |
|                   | WWA3             |                  | MID-FLOOD          | 27-Jun-07              |        |          | 30.4         | 5.41         | 5.36         |                   | 80.2         | 79.6                | 8.0      | 15.3             | 4.5        | 4.5           |          | 6.5         |                 |
|                   | WWA3             | м                | MID-FLOOD          | 27-Jun-07              | 16:00  | 6.60     | 30,3         | 5.99         | 5,93         | 5.67              | 87.6         | 86.4                | 8.0      | 15.5             | 6.2        | 6.2           |          | 5.0         |                 |
|                   | WWA3             |                  | MiD-FLOOD          | 27-Jun-07              |        | T I      | 30.3         | 5.47         | 5.41         | 5.44              | 82.4         | 81.3                | 8.0      | 15.5             | 5.3        | 5.2           | 5,3      | 6.5         | 6.0             |
| 700               | WRA1             | s                | MID-FLOOD          | 27-Jun-07              |        |          | 30.0         | 6.25         | 6.26         |                   | 87.5         | 87.4                | 8.0      | 14.4             | 5,2        | 5.2           |          | 5.5         |                 |
| 701               | WRA1             |                  | MID-FLOOD          | 27-Jun-07              | 16:44  | 29.80    | 29.7         | 5.86         | 5.76         | 6.03              | 88.8         | 87.9                | 8.0      | 16.5             | 5.3        | 5.2           |          | 8.5         |                 |
|                   | WRA1             |                  | MID-FLOOD          | 27-Jun-07              | ì      | ľ        | 28.8         | 5,40         | 5.38         | 5,39              | 84.3         | 82.2                | 8.0      | 23.1             | 4.9        | 4.9           | 5.1      | 9.0         | 7.7             |
| 703               | WRA2             |                  | MID-FLOOD          | 27-Jun-07              |        |          | 29.7         | 6.17         | 6.12         | •                 | 91.2         | 90.6                | 8.0      | 15.2             | 5.1        | 5.1           |          | 9.0         |                 |
| 704               | WRA2             | M                | MID-FLOOD          | 27-Jun-07              | 16:57  | 30.10    | 29.8         | 6.09         | 6.16         | 6.14              | 93.2         | 92,8                | 0.8      | 15.9             | 5,6        | 5.6           |          | 12.0        |                 |
| 705               | WRA2             | B                | MID-FLOOD          | 27-Jun-07              |        | ı        | 28.2         | 5.40         | 5.43         | 5.42              | 74.9         | 74.2                | 8.0      | 24.0             | 5,6        | 5.6           | 5,4      | 5.0         | 8.7             |

|     | 1        |          |                    |                        |       |          | i     |              |              | i                 | DO, %        | DO, %        |            |               |            | r          | 'NTU,    | T           | ŚS,      |
|-----|----------|----------|--------------------|------------------------|-------|----------|-------|--------------|--------------|-------------------|--------------|--------------|------------|---------------|------------|------------|----------|-------------|----------|
| Lab | !        |          |                    |                        | 1     | Water    | Temp. | DO, mg/L     | DO, mg/L     | ļ                 | saturation   | saturation   | 1          |               | Turbidity, | Turbidity, | Averaged | Suspended   | Averaged |
| 10  | Location | Position | Tide               | Sampling Date          | Time  | depth, m | °C    | (1)          | (2)          | DO, Average value | (1)          | (2)          | pH, Unit   | Salinity, ppt | NTU (1)    | NTU (2)    | Value    | Solid, mg/L | Value    |
| 706 | WRA3     | S        | MIO-FLOOD          | 27-Jun-07              |       |          | 29.5  | 5.90         | 5.89         |                   | 86,5         | 86.0         | 0.8        | 15.5          | 4.7        | 4.7        |          | 5.0         |          |
| 707 | WRA3     | M        | MID-FLOOD          | 27-Jun-07              | 17:06 | 28.50    | 29.8  | 5.75         | 5.78         | 5.83              | 84.4         | 83.9         | 8.0        | 15.2          | 4.7        | 4.7        | 1        | 6.5         | 1        |
| 708 | WRA3     | В        | MID-FLOOD          | 27-Jun-07              |       |          | 29.5  | 6.00         | 5.89         | 5.95              | 81.D         | 80.6         | 8.0        | 17.0          | 5.0        | 5.1        | 4.8      | 5.0         | 5.5      |
| 709 | WWFCZ1   | \$       | MID-FLOOD          | 27-Jun-07              |       |          | 29.6  | 5.80         | 5.76         |                   | 86,7         | 85.2         | 8,0        | 27.7          | 3.7        | 3.6        |          | €.0         |          |
| 710 | WWFCZ1   | м        | MID-FLOOD          | 27-Jun-07              | 17:48 | 39.20    | 29.3  | 5.60         | 5.58         | 5.69              | 82.6         | 81.1         | 8.0        | 15,4          | 4.0        | 4.1        | 1        | 5.0         |          |
| 711 | WWFCZ1   | B        | MID-FLOOD          | 27-Jun-07              | l i   |          | 29.2  | 5.60         | 5,46         | 5.53              | 78.0         | 77.2         | 8.0        | 13.5          | 4.0        | 3.9        | 3.9      | 6.5         | 5.8      |
| 712 | WWFCZ2   | S        | MID-FLOOD          | 27-Jun-07              |       |          | 28.5  | 5.80         | 5.76         | · ·               | 82.7         | 61.D         | 8.0        | 22.0          | 4.2        | 4.1        |          | 5.0         |          |
| 713 | WWFCZ2   | М        | MiD-FLOOD          | 27-Jun-07              | 17:34 | 39.30    | 29.7  | 5.69         | 5.57         | 5.71              | 78.6         | 77.0         | 8.0        | 13.4          | 4.1        | 4.3        |          | 5.0         |          |
| 714 | WWFCZ2   | 8        | MID-FLOOD          | 27-Jun-07              |       |          | 29.7  | 5.69         | 5,50         | 5.60              | 77.6         | 77.3         | 8.0        | 14,3          | 4,0        | 3.9        | 4.1      | 6,5         | 5.5      |
| 715 | WFCZR1   | S        | MID-FLOOD          | 27-Jun-07              |       |          | 29.2  | 5.50         | 5.46         |                   | 77.1         | 76.4         | 8.0        | 15.3          | 3.8        | 3.5        |          | 5.0         |          |
| 716 | WFCZR1   | M        | MID-FLOOD          | 27-Jun-07              | 17:59 | 40.50    | 29.7  | 5.59         | 5.46         | 5.50              | 75.6         | 75.9         | 8.0        | 13.5          | 4.1        | 4.2        |          | 5.5         |          |
|     | WFCZR1   | В :      | MID-FLOOD          | 27-Jun-07              |       |          | 29.6  | 5.41         | 5.38         | 5,40              | 76,0         | 76,4         | 8.0        | 14.6          | 4.1        | 4.2        | 4,0      | 5,0         | 5,2      |
|     | WFCZR2   | 5        | MID-FLOOD          | 27-Jun-07              |       |          | 29.6  | 5.99         | 5.95         |                   | 90.6         | 90.2         | 8.0        | 16.6          | 3.9        | 3.8        |          | 7.0         |          |
|     | WFCZR2   | M        | MID-FLOOD          | 27-Jun-07              | 17:20 | 39,90    | 30.3  | 5.86         | 5.79         | 5.90              | 85.0         | 84.7         | 8.0        | 12.6          | 3.9        | 3.9        |          | 7.5         |          |
| 720 | WFCZR2   | В        | MID-FLOOD          | 27-Jun-07              |       |          | 29.3  | 5.74         | 5,50         | 5.62              | 78.6         | 78.0         | 8.0        | 19.6          | 4.2        | 4.3        | 4.0      | 7.0         | 7.2      |
| 721 | WWA1     | S        | MiD-EBB            | 29-Jun-07              |       |          | 28.6  | 5.88         | 5.84         |                   | 0.88         | 84.2         | 7.9        | 18.0          | 5.5        | 5.2        |          | 8.5         |          |
| 722 | WWA1     | M        | MID-EBB            | 29-Jun-07              | 12:26 | 6.70     | 28.6  | 5.70         | 5.62         | 5.76              | 81.7         | 80.0         | 7.9        | 18.3          | 4.9        | 4.9        |          | 8.0         |          |
| 723 | WWA1     | - 6      | MID-EBB            | 29-Jun-07              |       | (        | 28,8  | 5.59         | 5.54         | 5.57              | 78.7         | 78.1         | 7.9        | 17.1          | 4.2        | 4.2        | 4.8      | 8.0         | 8.2      |
| 724 | WWA2     | S        | MID-EBB            | 29-Jun-07              |       | l        | 28.9  | 5.85         | 5,75         |                   | 85,2         | 84.9         | 7.9        | 18.3          | 3.7        | 3.6        |          | 6.5         |          |
| 725 | WWA2     | М        | MID-EB8            | 29-Jun-07              | 12:13 | 6,50     | 28.8  | 5.56         | 5.51         | 5.67              | 85.0         | 84.3         | 7.9        | 18.4          | 3.3        | 3.4        |          | 6.5         |          |
| 726 | WWA2     | В        | MID-EBB            | 29-Jun-07              |       |          | 28.8  | 5.35         | 5,34         | 5.35              | 74.9         | 75.3         | 7.9        | 18.2          | 4.0        | 4.1        | 3.7      | 6.5         | 6.5      |
| 727 | WWA3     | \$       | MID-EBB            | 29-Jun-07              |       | Į.       | 29.5  | 5.60         | 5.57         |                   | 75.7         | 75.4         | 7.9        | 17.9          | 4.0        | 3.9        |          | 7.5         |          |
| 728 | WWA3     | M        | MID-EBB            | 29-Jun-07              | 12:00 | 6.30     | 29.1  | 5.61         | 5.50         | 5.57              | 75.6         | 75.0         | 7.9        | 18.2          | 3.3        | 3.4        |          | 6.0         |          |
| 729 | WWA3     | 8        | MID-EBB            | 29-Jun-07              |       |          | 28,9  | 5.44         | 5.40         | 5.42              | 75.2         | 74.8         | 7.9        | 18.2          | 4.0        | 3.9        | 3.7      | 8.0         | 7.2      |
| 730 | WRA1     | S.       | MID-EBB            | 29-Jun-07              |       |          | 28.2  | 5.51         | 5.47         |                   | 79.7         | 79.5         | 7.9        | 19.6          | 3.7        | 3.7        |          | 8.5         |          |
| 731 | WRA1     | М        | MID-EBB            | 29-Jun-07              | 12:40 | 30.20    | 27.8  | 5,48         | 5.41         | 5.47              | 77.2         | 76.7         | 7.9        | 21.9          | 2.9        | 3.0        |          | 6.0         |          |
| 732 | WRA1     | В        | MID-EBB            | 29-Jun-07              |       |          | 28.7  | 5.39         | 5.44         | 5.42              | 78.0         | 77.0         | 7.9        | 17.4          | 3.1        | 3.1        | 3.2      | 12.0        | 8.8      |
| 733 | WRA2     | s        | MID-EBB            | 29-Jun-07              |       |          | 28.6  | 5.81         | 5.76         |                   | 79.7         | 79.5         | 7.9        | 18.5          | 3.0        | 3.1        |          | 9.0         |          |
| 734 | WRA2     | ··· M    | MID-EBB            | 29-Jun-07              | 12:54 | 30,70    | 27.6  | 5.67         | 5.61         | 5.71              | 78.0         | 77.5         | 7.9        | 22.7          | 3.2        | 3.3        |          | 5.5         |          |
| 735 | WRA2     | В        | WID-EBB            | 29-Jun-07              |       |          | 28.0  | 5.59         | 5.54         | 5.57              | 77.1         | 76.0         | 7.9        | 22.0          | 3.9        | 3.8        | 3.4      | 10.0        | 8.2      |
| 736 | WRA3     | s        | MID-EBB            | 29-Jun-07              |       |          | 28.6  | 5.77         | 5.70         |                   | 78.9         | 78.1         | 7.9        | 18.6          | 3.2        | 3.2        |          | 5.0         |          |
| 737 | WRA3     | W        | MID-EBB            | 29-Jun-07              | 13:07 | 29.10    | 27.8  | 5.50         | 5.45         | 5.61              | 77.1         | 76.2         | 7.9        | 22.1          | 3.0        | 2.5        |          | 7.5         |          |
| 738 | WRA3     | В        | MID-EBB            | 29-Jun-07              |       |          | 27,6  | 5.41         | 5.43         | 5.42              | 76.0         | 75.8         | 7.9        | 22.0          | 3.8        | 3.6        | 3.2      | 7.5         | 6.7      |
|     | WWFCZ1   | S        | MID-E8B            | 29-Jun-07              |       |          | 28.5  | 5.48         | 5.42         | l <u>.</u>        | 77.3         | 76.5         | 7.9        | 18.6          | 3.1        | 3.2        |          | 5.5         | •        |
|     | WWFCZ1   | M        | MID-EBB            | 29-Jun-07              | 13:40 | 38.60    | 27.9  | 5.54         | 5.47         | 5,47              | 77.8         | 77,1         | 7,9        | 20,6          | 3,6        | 3,6        |          | 6,0         |          |
|     | WWFCZ1   | В        | MID-EBB            | 29-Jun-07              |       | ļ        | 27.9  | 5.44         | 5.38         | 5.41              | 76.5         | 76.2         | 7.9        | 20.5          | 4.1        | 4.1        | 3.6      | 7.5         | 6.3      |
|     | WWFCZ2   | s        | MID-EBB            | 29-Jun-07              | 40.05 |          | 28.7  | 5.56         | 5.49         |                   | 79.0         | 77.8         | 7.9        | 17.9          | 3.6        | 3.6        |          | 10.0        |          |
|     | WWFCZ2   | M        | MID-EBB            | 29-Jun-07              | 13:35 | 37,50    | 28.5  | 5.47         | 5.39         | 5.48              | 77.0         | 76.0<br>75.7 | 7.9        | 18.5          | 3.7        | 3.5        | • 7      |             | 2.5      |
|     | WWFCZ2   | В        | MID-EBB            | 29-Jun-07              |       |          | 28,6  | 5,59         | 5.53         | 5.56              | 76.5<br>77.5 | 75.7         | 7.9        | 18.2<br>17.9  | 4.0        | 3.9        | 3.7      | 7.5         | 7.5      |
|     | WFCZR1   | S        | MID-EBB            | 29-Jun-07              | 42.54 | 38.70    | 28.5  | 5.59         | 5.54         | E 60              | 76.7         | 77.2<br>76.5 | 7.9<br>7.9 | 17.9          | 3.5<br>3.1 | 3.8        |          | 7.0         |          |
|     | WFCZR1   | М        | MID-EBB            | 29-Jun-07              | 13;54 | 36.70    | 28.6  | 5.63         | 5.60<br>5.46 | 5.59<br>5.52      | 75.7         | 75.1         | 7.9        | 18.3<br>21.7  | 3.1        | 3.3        |          | 5.0<br>6.0  | 6,0      |
|     | WFCZR1   | В        | MID-EBB<br>MID-EBB | 29-Jun-07<br>29-Jun-07 |       |          | 28.6  | 5.57<br>5.67 | 5,46         | 5.5∠              | 81.2         | 75.1<br>81.0 | 7.9        | 17.9          | 4.0        | 3.2        | 3.3      | 5.0         | 0.0      |
|     | WFCZR2   | S        | MID-EBB            |                        | 13:20 | 38,40    | 28.2  | 5.56         | 5.52         | 5.59              | 78.1         | 77.5         | 7.9        | 17.9          | 2.7        | 2.8        |          | 5.5         |          |
| 749 | WFCZR2   | М        | MID-ERR            | 29-Jun-07              | 13.20 | 30,40    | ∠D.Z  | 0.30         | 5.5∠         | 5.58              | 10.1         | 11.5         | r.s        | 19.0          | 2.1        | 2.0        |          | 3.5         | ı        |

G:\emyproject\24583-env\_data\marine\impact\Data Evaluation\morshly\

Page 17 of 18

| Lab<br>ID | Location | Position | Tide      | Sampling Date | Time  | Water<br>depth, m | Temp.<br>°C | DO, mg/L<br>(1) | DO, mg/L<br>(2) | DO, Average value | DO, %<br>saturation<br>(1) |      | pH, Unit | Salinity, ppt | Turbidity,<br>NTU (1) | Turbidity,<br>NTU (2) | NTU,<br>Averaged<br>Value | Suspended<br>Solid, mg/L |      |
|-----------|----------|----------|-----------|---------------|-------|-------------------|-------------|-----------------|-----------------|-------------------|----------------------------|------|----------|---------------|-----------------------|-----------------------|---------------------------|--------------------------|------|
| 750       | WFCZR2   | В        | MID-E8B   | 29-Jun-07     |       |                   | 27.7        | 5.67            | 5.55            | 5.61              | 77.3                       | 76.1 | 7.9      | 22.2          | 3.0                   | 2.7                   | 3.2                       | 7.5                      | 6.0  |
| 751       | WWA1     | S        | M)D-FLOOD | 29-Jun-07     |       |                   | 28.3        | 5.56            | 5,51            |                   | 77.0                       | 76.4 | 7.9      | 21.6          | 4.2                   | 4.1                   |                           | 10,5                     |      |
| 752       | WWA1     | M        | MID-FLOOD | 29-Jun-07     | 9:25  | 6,90              | 28,2        | 5.46            | 5.49            | 5.51              | 78.5                       | 76.7 | 7.9      | 21.7          | 5.0                   | 4.8                   |                           | 10.0                     | í I  |
| 753       | WWA1     | В        | MID-FLOOD | 29-Jun-07     |       | [                 | 27.7        | 5,56            | 5.50            | 5.53              | 75.6                       | 75.2 | 7.9      | 24.4          | 3.9                   | 3.9                   | 4.3                       | 9.0                      | 9.8  |
| 754       | WWA2     | S        | MID-FLOOD | 29-Jun-07     |       |                   | 28,4        | 5.74            | 5.64            |                   | 79.5                       | 79.2 | 7.9      | 21.5          | 4.1                   | 4.1                   |                           | 8.5                      |      |
| 755       | WWA2     | М        | MID-FLOOD | 29-Jun-07     | 9:12  | 6.80              | 28.4        | 5.79            | 5.70            | 5.72              | 78,3                       | 77.1 | 7,9      | 21.3          | 4,3                   | 4,3                   |                           | 10,0                     | í I  |
| 756       | WWA2     | В        | MID-FLOOD | 29-Jun-07     |       |                   | 28.3        | 5.55            | 5.51            | 5.53              | 77.8                       | 77.0 | 7.9      | 21.6          | 3.5                   | 3.7                   | 4.0                       | 9.5                      | 9.3  |
| 757       | WWA3     | S        | MID-FLCOD | 29-Jun-07     |       |                   | 28.6        | 5.69            | 5.62            |                   | 81,0                       | 79.6 | 7.9      | 20,9          | 3.9                   | 3.7                   |                           | 6.5                      |      |
| 758       | WWA3     | М        | MID-FLOOD | 29-Jun-07     | 9:00  | 6,60              | 28.4        | 5.59            | 5.57            | 5.62              | 80.5                       | 78.3 | 7.9      | 20.7          | 3.3                   | 3.4                   |                           | 6.0                      | 1 1  |
| 759       | WWA3     | В        | MID-FLOOD | 29-Jun-07     |       |                   | 28.4        | 5,47            | 5.45            | 5.46              | 78.0                       | 77.3 | 7.9      | 21.3          | 3.5                   | 3.5                   | 3.5                       | 7.0                      | 6.5  |
| 760       | WRA1     | S        | MID-FLOOD | 29-Jun-07     |       |                   | 27.7        | 5.63            | 5.51            |                   | 78.2                       | 77.6 | 7.9      | 20.5          | 3.9                   | 3.9                   |                           | 7.0                      |      |
| 761       | WRA1     | M        | MID-FLOOD | 29-Jun-07     | 9:40  | 30.50             | 28.5        | 5,48            | 5.44            | 5.52              | 79.1                       | 79.2 | 7.9      | 19.0          | 2.8                   | 2.8                   |                           | 19.0                     | 1 1  |
| 762       | WRA1     | В        | MID-FLOOD | 29-Jun-07     |       |                   | 27.6        | 5.50            | 5.45            | 5.48              | 80.0                       | 77.8 | 7.9      | 25.3          | 2.5                   | 2.8                   | 3.1                       | 25.5                     | 17.2 |
| 763       | WRA2     | S        | MID-FLOOD | 29-Jun-07     |       |                   | 26.9        | 5.39            | 5.34            |                   | 74.7                       | 74.5 | 7.9      | 29.1          | 3.2                   | 3.4                   |                           | 8.0                      |      |
| 754       | WRA2     | M        | MiD-FLOOD | 29-Jun-07     | 9:53  | 31.20             | 28.5        | 5.66            | 5.56            | 5.49              | 78.0                       | 77.2 | 7.9      | 19.1          | 3.3                   | 3.3                   |                           | 9.5                      |      |
| 765       | WRA2     | В        | MID-FLOOD | 29-Jun-07     |       |                   | 28.0        | 5.40            | 5.42            | 5.41              | 74.5                       | 74.2 | 7.9      | 21.9          | 3.1                   | 3.1                   | 3.2                       | 20,0                     | 12.5 |
| 766       | WRA3     | S        | MID-FLOOD | 29-Jun-07     |       |                   | 27.4        | 5.62            | 5.56            | ·                 | 76.2                       | 76.5 | 7.9      | 25.0          | 3.0                   | 2.8                   |                           | 10.5                     | 1 1  |
| 767       | WRA3     |          | MID-FLOOD | 29-Jun-07     | 10:09 | 29.50             | 28.0        | 5.47            | 5.45            | 5.53              | 77,0                       | 76.2 | 7.9      | 20,6          | 2.4                   | 2.5                   |                           | 10.5                     | i I  |
| 768       | WRA3     | В        | MID-FLOOD | 29-Jun-07     |       | [                 | 28.1        | 5.41            | 5.38            | 5.40              | 76.4                       | 75.5 | 7.9      | 20.5          | 3.0                   | 3.0                   | 2.8                       | 19.5                     | 13.5 |
|           | WWFCZ1   | \$       | MID-FLOOD | 29-Jun-07     |       | [                 | 27.7        | 5.80            | 5.71            |                   | 78.1                       | 78.0 | 7.9      | 27.5          | 3.1                   | 3.3                   |                           | 7.5                      | i    |
| 770       | WWFCZ1   | M        | MID-FLOOD | 29-Jun-07     | 10:52 | 39.30             | 28,1        | 5,50            | 5.47            | 5.62              | 76.0                       | 76.7 | 7.9      | 19.0          | 3,3                   | 3.8                   |                           | 6,0                      | i I  |
| 771       | WWFCZ1   | В        | MID-FLOOD | 29-Jun-07     |       | [                 | 27,6        | 5.57            | 5.54            | 5.56              | 75.6                       | 75.5 | 7.9      | 21.9          | 4.1                   | 4.1                   | 3.6                       | 5.5                      | 6.3  |
| 772       | WWFCZ2   | S        | MID-FLOOD | 29-Jun-07     |       |                   | 27.7        | 5.47            | 5.40            |                   | 78.1                       | 76.5 | 7.9      | 22.1          | 4.0                   | 3.9                   |                           | 7.0                      |      |
| 773       | WWFC22   | М        | MID-FLOOD | 29-Jun-07     | 10:38 | 38.40             | 27.2        | 5.59            | 5.54            | 5,50              | 77,4                       | 76,7 | 7,9      | 25.7          | 3.6                   | 3,6                   |                           | 5.0                      | i I  |
| 774       | WWFC22   | В        | MID-FLOOD | 29-Jun-07     |       |                   | 27.8        | 5.48            | 5.41            | 5.45              | 76.9                       | 76.0 | 7.9      | 21.4          | 4.0                   | 3.8                   | 3.8                       | 8,0                      | 6.7  |
| 775       | WFCZR1   | s        | MID-FLOOD | 29-Jun-07     |       |                   | 26.9        | 5.47            | 5.40            |                   | 78.6                       | 78.0 | 7.9      | 28.0          | 3.6                   | 3.5                   |                           | 6.5                      |      |
| 776       | WFCZR1   | М        | MID-FLOOD | 29-Jun-07     | 11:05 | 39.70             | 27.9        | 5.56            | 5.59            | 5,51              | 77.1                       | 77.5 | 7.9      | 19,4          | 3,7                   | 3.7                   |                           | 6.5                      | / I  |
| 777       | WFCZR1   | В        | MID-FLOOD | 29-Jun-07     | - 1   |                   | 27.6        | 5.59            | 5,56            | 5,58              | 78.1                       | 77.5 | 7.9      | 21.4          | 3.2                   | 3.2                   | 3,5                       | 5,0                      | 6,0  |
| 778       | WFCZR2   | ş        | MID-FLOOD | 29-Jun-07     |       |                   | 27.9        | 5.43            | 5.36            |                   | 76.0                       | 75.5 | 7.9      | 21.7          | 4.1                   | 4.1                   |                           | 6.5                      |      |
| 779       | WFCZR2   | М        | MID-FLOOD | 29-Jun-07     | 10:24 | 39.50             | 27.2        | 5.47            | 5.41            | 5.42              | 77,6                       | 77.2 | 7.9      | 26.8          | 2.8                   | 2.9                   |                           | 5.0                      | 1    |
| 780       | WFCZR2   | В        | MID-FLOOD | 29-Jun-07     |       | Ī                 | 28.2        | 5.36            | 5.35            | 5.36              | 75.5                       | 76.4 | 7.9      | 19.1          | 2.8                   | 2.6                   | 3.2                       | 5.5                      | 5.7  |



Appendix E
Records on disposal of
C&D material by barge



Fax from : 29836785

## Shun Tat Construction Engineering Limited 信達建設工程有限公司

| Date 目缀: 6.6.97                                       | Delivery Note No.: 7-LT/07/13 |
|---|-------------------------------|
| BARGE DELIVIRY RECORD<br>菱鉛軟流記錄                       | RECORD                        |
| Source 來級:  | Tains (Levens Trey            |
| Type of materials 物料類別:                               | 0 0                           |
| Barge name 遊船名孫:                                      |                               |
| Darge registration no. 養給發影點嘅.                        | Ngojk                         |
| Arrival time अञ्चितिहाः                               | 6.6.07 1700                   |
| Loading time 网络苍科喷鼠                                   | 1/0                           |
| Departure time 游桃的排射時間:                               | •                             |
| Ö   | m 船區 4 3.7                    |
|   | 船頭 様 0.3 m 船尾 様 0.8 m         |
| Estimated quantity (Base on Barge Information) 物料棒酸铁. | 2377.6%                       |
| Destination (of Materials) 🛘 🗎 🖒 🖽:                   | <b>北門</b> 8                   |
| (a)   | 1 1 67                        |

& Eng. Co. Ltd.

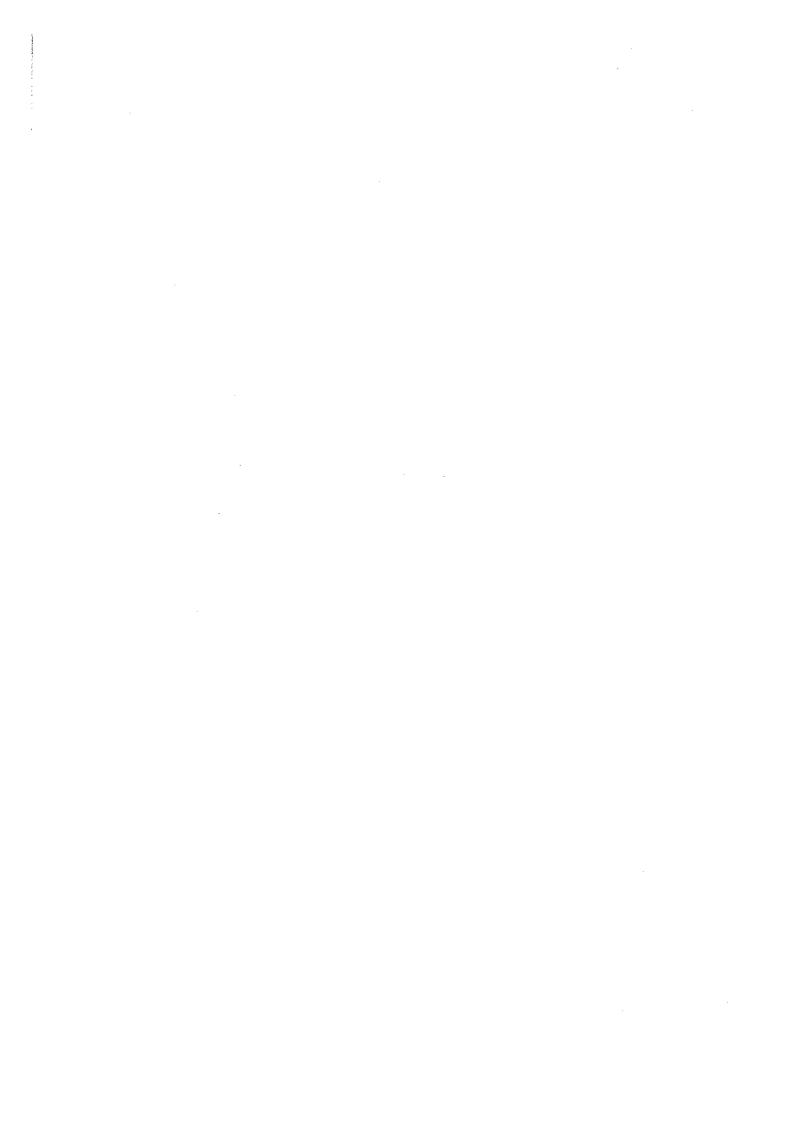
Agreed by Chun Wo Cong

## Shun Tat Construction Engineering Limited 信達建設工程有限公司

| 1台连伊段。  | 、怪有限公司                          |
|---|---------------------------------|
| Date 目標: 24 6.07  | DCI'very Note No.: 727/14       |
| BARGE DELIVERY RECORD 董伦敦培司经                              | X RECORD                        |
| Source 來謝:  | Tring Lim a Tour                |
| Type of materials 物料類別:                                   | 100                             |
| Barge name 更知名称:  | 87.73                           |
| Barge tegistration no. 强胎者記錄成。                            | 1 8 21 6 AS 1/                  |
| Arrival time 到途時間:  | 27. 6 07 1300                   |
| Leading time 開始落料時間:                                      | 16.67                           |
| Departure tirus 流承以時抽時間:                                  | N. G. 57 1500                   |
| Derk level before trading 斉戰 (1):                         | なった。<br>新でん。 新船                 |
| Deck level after loading 済敏 (2);                          | 0.35 m 和民 森 1.0                 |
| Estimated quantity (Base on Barge Information) Wilesmill. | who was                         |
| Destination (of Materials) 目的地:                           | Jen 36 12                       |
|   |                                 |
|   |                                 |
| <b>(</b> )  | (z)                             |
|   |                                 |
| Prepared by A Short Jan Const. English                    | Agreed by Clust. & Eng. Co. Ltd |
|   | 1                               |



Appendix F
Investigation summary
on marine water quality
exceedances



Contract No. HY/2005/06 Castle Peak Road Improvement - West of Tsing Lung Tau (EP No. EP-219/2005) Marine Water Exceedance Investigation Summary

| _                             |                    |                    |   | 1        |          | 1        | ī         |          |          | T        | Т        | 1         | <del>1</del> | <del></del> | T                  |          | 1        |
|-------------------------------|--------------------|--------------------|---|----------|----------|----------|-----------|----------|----------|----------|----------|-----------|--------------|-------------|--------------------|----------|----------|
|                               | Remark             |                    | Refer to ET's field record & CT's daily records.  | Ditto    | Diffo    | Ditto    | Oitto     | Ditto    | Ditto    | Diffo    | Ditto    | Ditto     | Ditto        | Ditto       | Ditto              | Ditto    | Ditto    |
|                               | Closing Date       |                    | 22-Jun-07   | Difto    | Dilto    | Ditto    | Ditto     | Ditto    | Ditto    | Ditto    | Ditto    | Ditto     | Ditto        | Ditto       | Ditto              | Diffo    | Ditto    |
|                               | CT's action        |                    | No action   | Ditto    | Ditto    | Ditto    | Ditto     | Ditto    | Ditto    | Ditto    | Ditto    | Ditto     | Ditto        | Ditto       | Ditto              | Ditto    | Ditto    |
|                               | ET's investigation | 1 -                | No active construction works was carried out near the sea and removal of slockpile was not conducted. The silt curtain was in good condition, and seepage of muddy water was not observed during marine water quality monitoring. Red to be so beeved ower the sea including all impact monitoring stations during marine water quality monitoring on 04, 06 and 08 June 2007. However, significant variations of DO leivels were not recorded. The exceedances of Tby and SS levels on 04, 05 and 08 June 2007 were mainly attributed to natural variations of marine water. | Ditto    | Ditto    | Ditto    | Ditto     | Ditto    | Ditto    | Ditto    | Ditto    | Ditto     | Ditto        | Ditto       | Ditto              | Ditto    | Ditto    |
|                               |                    | Level at           | 16.2  | 16.5     | 16.8     | 14.8     | ,         | ,        | •        | 26.3     | 15.2     | 17.8      |              | ,           |                    |          | ,        |
|                               | SS (mg/L)          | Control            | 12.7  | 6.8      | 9.5      | 13.7     | ,         | •        |          | 19.8     | 7.5      | 10.3      | ,            | '           | ·                  | ,        | ,        |
|                               |                    | Baseline           | 13.0  | 13.0     | 13.0     | 13.0     |           |          |          | 13.0     | 13.0     | 17.0      |              | ,           |                    |          | ,        |
| Data                          |                    | Level at<br>Impact | 4.  | 6.6      | 6.7      |          | 7.4       | 1.7      | 7.7      | 1.8      |          | -         | 7.8          | 7.9         | 6.8                | 7.1      | 6.8      |
| of Monitoring                 | Tby (NTU)          | Control            | ထ   | 5.0      | 4.2      | ,        | 8.4       | 6.7      | 6.2      | 6.7      |          | ,         | 6.3          | 8.8         | 4.6                | 8.6      | 6.5      |
| Exceedance of Monitoring Data |                    | Baseline<br>Check  | ය<br>ප  | 6.5      | 6.5      | 1        | 6.5       | 6.5      | 6.5      | 6.5      | 1        | í         | 6.6<br>6.6   | 6.6         | 6.6                | 6.5      | 6.5      |
|                               |                    | Level at<br>Impact |   |          | 1        |          |           |          |          | ı        |          | ,         | 1            | ,           | ı                  | ,        | ,        |
|                               | DO (mg/L)          | Control<br>Station | ,   | ,        | ,        | . 1      | ,         | 1        |          | 1        |          | ,         |              | ,           | 1                  | 1        |          |
|                               | OO                 | Baseline<br>Check  |   | -        | -        | -        | -         | ,        | •        | •        |          | ,         | •            | ,           | ,                  | 1        |          |
| -                             |                    | Position           |   | •        | 1        | -        | ı         | ı        | •        | 1        | 1        | ,         | ,            | Î           | 1                  | 1        |          |
|                               | Location           |                    | WWA   | WWA2     |          |          | WWA3      |          |          |          | _        | WWA1      |              | WWA3        | WWFCZ1             |          | WWA3     |
|                               | Tide               |                    | qqa-piw   | Mid-ebb  |          |          | Mid-flood | Mid-ebb  | Mid-ebb  |          |          | Mid-flood | Mid-flood    | Mid-flood   | Mid-flood VVVVFCZ1 | Mid-ebb  | Mid-ebb  |
|                               | Date               |                    | 4-Jun-u7  | 4-Jun-07 | 4-Jun-07 | 4-Jun-07 | 4-Jun-07  | 6-Jun-07 | 6-Jun-07 | 6-Jun-07 | 6-Jun-07 | 6-Jun-07  | 6-Jun-07     | 6-Jun-07    | 6-Jun-07           | 8-Jun-07 | 8-Jun-07 |



Appendix G
Silt curtain daily
inpsection record



# 

| Date               | Condition                | Action                                     |
|--------------------|--------------------------|--|
| 28/5/2007<br>(Mon) | No muddy water observed. | New slit curtain expanded to GBV on 28/05. |
| 29/5/2007<br>(Tue) | No muddy water observed. | N/A  |
| 30/5/2007<br>(Wed) | No muddy water observed, | N/A  |
| 31/5/2007<br>(Thu) | No muddy water observed, | N/A  |
| 01/6/2007<br>(Fri) | No muddy water observed. | N/A  |
| 02/6/2007<br>(Sat) | No muddy water observed. | N/A  |
| 03/6/2007<br>(SUN) |                          |  |
| -                  |                          |  |

Gary Lam Inspected by Chun Wo

Date:

Inspected by MR MOK

Date:

後和 Seawall B Silt Curtain Daily Inspection Record

(G4)

Project: Castle Peak Road Improvement

(b)

Note: Red tide was observed from 31/5/07,

| Date               | Condition  | Action   |
|--------------------|--|--|
| 04/6/2007<br>(Mon) | Red tide was observed,   | N/A  |
| 05/6/2007<br>(Tue) | Red tide was observed,   | N/A  |
| 06/6/2007<br>(Wed) | Red tide was observed,   | N/A  |
| 07/6/2007<br>(Thu) | Red tide was observed.<br>(Heavy Rain and thunderstorm in the morning) | N/A  |
| 08/6/2007<br>(Fri) | Red tide was observed.<br>(Heavy Rain and thunderstorm in the morning) | N/A  |
| 09/6/2007<br>(Sat) | Red tide was observed.   | N/A  |
| 10/6/2007<br>(SUN) |  | The control of the co |

Gary Lam Inspected by Chun.Wo....

Date:

MR MOK 1/M2

Inspected by MHJV Date:



Project: Castle Peak Road Improvement

3

# 後寿 Seawall B Silt Curtain Daily Inspection Record

| Date               | Condition   | Action |
|--------------------|---|--------|
| 11/6/2007<br>(Mon) | No works commenced<br>(Heavy rain and thunderstorm) | N/A    |
| 12/6/2007<br>(Tue) | No works commenced<br>(Heavy rain and thunderstorm) | N/A    |
| 13/6/2007<br>(Wed) | No works commenced<br>(Heavy rain and thunderstorm) | N/A    |
| 14/6/2007<br>(Thu) | No works commenced<br>(Heavy rain and thunderstorm) | N/A    |
| 15/6/2007<br>(Fri) | No muddy water observed.                            | N/A    |
| 16/6/2007<br>(Sat) | No muddy water observed.                            | N/A    |
| 17/6/2007<br>(SUN) |   |        |

Gary Lam Inspected by Chun Wo Date:

inspected by MHJV

Date:

MR MOK

Seawall B Silt Curtain Daily Inspection Record

| Date               | Condition                                | Action |
|--------------------|--|--------|
| 18/6/2007<br>(Mon) | No works commenced.                      | N/A    |
| 19/6/2007<br>(Tue) | No works commenced. ( publise helidary > | N/A    |
| 20/6/2007<br>(Wed) | No works commenced.                      | N/A    |
| 21/6/2007<br>(Thu) | No muddy water observed.                 | N/A    |
| 22/6/2007<br>(Fri) | No muddy water observed.                 | NIA    |
| 23/6/2007<br>(Sat) | No muddy water observed.                 | N/A    |
| 24/6/2007<br>(SUN) |  |        |

Gary Lam Inspected by Chun Wo Date:

Inspected by MHJV

MR MOK Date:



# 

| Action    | NA   | N/A   | N/A                      | N/A                      | N/A                      | N/A                      | Sunday            |
|-----------|--|---|--------------------------|--------------------------|--------------------------|--------------------------|-------------------|
|           |  |   |                          |                          |                          |                          |                   |
| Condition | No works commenced (Heavy rain and thunderstorm) | No works commenced<br>(Heavy rain and thunderstorm) | No muddy water observed. | No muddy water observed. | No muddy water observed. | No muddy water observed. | Sunday            |
| Date      | 25/6/2007<br>(Mon)                               | 26/6/2007<br>(Tue)                                  | 27/6/2007<br>(Wed)       | 28/6/2007<br>(Thu)       | 29/6/2007<br>(Frl)       | 30/6/2007<br>(Sat)       | 1/7/2007<br>(SUN) |

Inspected by Gary Lam

Inspected by MR MOK

Date:

Date: